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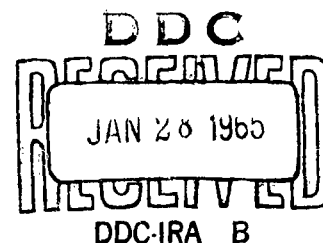
December 1964

CATALOGED
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Determination of Combat Job Requirements for Armored Cavalry Platoon Personnel

by

William L. Warnick and Robert A. Baker



455302

**U.S. Army Armor Human Research Unit
Fort Knox, Kentucky**

Under the Technical Supervision of

**The George Washington University
HUMAN RESOURCES RESEARCH OFFICE
operating under contract with
THE DEPARTMENT OF THE ARMY**



HEADQUARTERS
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SUBJECT: Determination of Combat Job Requirements for Armored Cavalry
Platoon Personnel

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1. The attached report is for your information and retention.
2. This report concerns a study made to formulate the job requirements for personnel assigned to the armored cavalry platoon, and to obtain information about the importance for combat of the job requirements as a means of indicating which skills should receive emphasis during training.
3. Results of this study have already been included in current proficiency courses and are being used as a basis for revision of current programs of instruction. Recommendations within the study concerning revision of MOS descriptions and MOS structure will be subject to further evaluation.

FOR THE CHIEF OF RESEARCH AND DEVELOPMENT:

1 Incl


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Determination of Combat Job Requirements for Armored Cavalry Platoon Personnel

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Task RECON: Subtask I

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FOREWORD

This report on determination of job requirements for armored cavalry personnel completes the research conducted in Subtask I of Task RECON, Training Methods and Techniques for Improving Combat Readiness of the Armored Cavalry Platoon. The research was performed by the U.S. Army Armor Human Research Unit at Fort Knox, Ky.

Task RECON was initiated in 1962, but a substantial amount of the preliminary work in developing armored cavalry job requirements was performed earlier under Task UNIT. The UNIT research dealt with tank platoon training, but work in later phases included consideration of possible application to armored cavalry platoons of the techniques and methods being developed to train tank platoons. Portions of this exploratory work for armored cavalry were reported in *A Survey of Problems in the Tactical Training of Armored Cavalry Platoons*, by John G. Cook, a Research Memorandum (For Official Use Only) published by the Armor Unit in January 1963.

Later subtasks under Task RECON deal with development of tactical problems and an indoor training method, training guidelines, and improved training methods for armored cavalry platoons, and with evaluation of the experimental techniques.

The Military Chief at the U.S. Army Armor Human Research Unit during most of the data collection and analysis period in the RECON I research was Lt. Col. George H. Spires, Jr.

SUMMARY AND RECOMMENDATIONS

MILITARY PROBLEM

The armored cavalry platoon is the Army's smallest combined-arms team. Training such a platoon poses unusual problems because of the diversity of its elements and of the combat missions assigned to it. The complex nature of the training needed is evident from the fact that 14 types of jobs, representing 5 MOS's and covered by 16 MOS descriptions, are included in the table of organization for the armored cavalry platoon.

Armored cavalry commanders have frequently questioned the adequacy of the training for armored cavalry platoon leaders at the U.S. Army Armor School, and have suggested increasing the amount of armored cavalry training in the School curricula. The basic course for junior officers in Armor is not designed to prepare an officer to assume the particular job of armored cavalry platoon leader. There are no specific courses to prepare a noncommissioned officer to assume the job of platoon sergeant, scout section leader, tank section leader, rifle squad leader, or support squad leader, nor is there formal schooling in armored cavalry operations for other personnel who may be assigned to such a platoon. Therefore, when a platoon is organized, extensive training, both in the classroom and in the field, is needed to make platoon personnel proficient in performing the jobs required of them.

To obtain comprehensive information on the armored cavalry platoon, as a basis for research on platoon training, a HumRRO research team reviewed the jobs of platoon personnel and obtained ratings on the relative importance for combat of each task involved. It was expected that the resulting information would (1) provide one basis for organizing the content and subject-emphasis of formal training programs in terms of job requirements, and (2) provide School personnel and field commanders with a useful basis for later evaluation and revision of whatever formal training programs are developed.

RESEARCH OBJECTIVES

The objectives of the study were (1) to formulate and describe the job requirements for personnel assigned to the armored cavalry platoon; (2) to obtain information about the importance of each job requirement in combat, as a means of indicating how much emphasis should be placed on each skill during training.

METHOD

Armor and armored cavalry manuals and other literature pertaining to the duties, skills, and activities of armored cavalry platoon personnel were reviewed. Material from these sources and from interviews with experienced Armor personnel was used as a basis for preparing tentative lists of job requirements for the platoon leader and sergeant, and for personnel of the scout, tank, rifle, and support units that make up the platoon. These lists were reviewed by Armor School personnel for accuracy of content and adequacy of coverage, and were modified to reflect comments.

SUMMARY AND RECOMMENDATIONS

The lists were then submitted to senior platoon, squad, and section leaders in 13 armored cavalry squadrons for evaluation. Each respondent reviewed the list applicable to his own job and to specified jobs under his supervision. Using a five-point scale, he judged each job requirement in terms of its importance for combat.

From these data, an average rating was computed for each requirement for each of the 14 types of jobs in the armored cavalry platoon. Only the items rated as essential—for combat or for basic performance of the job, in or out of combat—were included in the final criterion lists of job requirements. Some items that dealt with troop-level requirements were omitted from the final lists, although rated "essential," because this study was limited to operations at the platoon level.

RESULTS

The final criterion lists of combat job requirements for armored cavalry platoon personnel specify every platoon-level duty and skill that experienced job holders considered essential for the particular job position. In the 14 lists of job requirements which make up Appendix A, the items are grouped under major job duties and are described in terms of operations (duties), knowledge factors, and responsibilities.¹

Inspection of the criterion lists of job requirements indicated that various combat-relevant duties and skills rated as essential to the fulfillment of armored cavalry missions are not covered in the several MOS descriptions for the jobs of the armored cavalry platoon.

CONCLUSIONS AND IMPLICATIONS

1. The final lists of combat job requirements, based on military sources and ratings, form a comprehensive, detailed, realistic statement of the duties that armored cavalry platoon personnel need to perform in accomplishing their combat mission, and the skills they need to use in performing the duties effectively.

2. Since the present MOS descriptions do not fully reflect the duty and skill requirements that now exist for armored cavalry platoon personnel, there appears to be a need for amplification of MOS descriptions for armored cavalry jobs, and perhaps for revisions in the MOS structure as well.

3. It is believed that the lists of combat job requirements developed in this study for armored cavalry platoon personnel will be useful as a basis for several possible types of Army action. Specifically:

a. The lists of combat job requirements can be used at the Armor School to give students an indication of the aims of armored cavalry instruction and a preview of what will be required of them on the job. Such an introduction could be expected to have a favorable effect on student motivation.

¹Supplementary lists of desirable traits and abilities for platoon personnel are included in the appendix. Like the duties and skills, the traits and abilities were drawn from the literature and the interviews, and were rated on a five-point scale.

SUMMARY AND RECOMMENDATIONS

b. Use of the lists in armored cavalry platoons can provide a basis for (1) improving evaluation of the proficiency of platoon members; (2) delegating duties and responsibilities more efficiently; (3) planning training for specific deficiencies, as noted; and (4) in general, improving supervision over the preparation for combat of all members of the platoon.

c. The lists of duties and skills can serve as a basis for developing and standardizing proficiency tests for possible use by schools, training establishments, and armored cavalry units.

RECOMMENDATIONS

It is recommended:

1. That the Army employ the lists of combat job requirements established in this study, with a view to revising the MOS descriptions for armored cavalry platoon personnel to include combat-relevant duties and skills not covered in the current job descriptions.

2. That the Army establish an MOS structure that will consolidate and identify the diverse elements of which the armored cavalry platoon is composed. If the establishment of a separate MOS structure for armored cavalry platoon personnel is not considered feasible, it is recommended that a skill-level digit be added to the existing MOS number to indicate that the individual is qualified to perform armored cavalry platoon duties and skills.

3. That the lists of combat job requirements established in this study be used by the Armor School, Seventh Army Combined Arms Training Center, and other armor training establishments in determining the content of curricula for training armored cavalry personnel, and in evaluating proficiency.¹

¹Job requirements information developed in the RECON I research has been included in current armor training courses and is being used by the Army as a basis for revisions of current Programs of Instruction.

CONTENTS

	Page
Foreword	iii
Summary and Recommendations	v
Military Problem	v
Research Objectives	v
Method	v
Results	vi
Conclusions and Implications	vi
Recommendations	vii
Description of the Research	
Background	3
Research Objectives	4
Research Procedure	4
Developing Initial Lists of Job Requirements	4
Obtaining Field Ratings	5
Data Analysis and Results	8
Combat Job Requirements	8
Traits and Abilities	9
Discussion	9
Final Lists of Job Requirements	9
MOS Specifications	9
Selected Bibliography of Literature Consulted	
in Preparing Job Requirements Lists	13
Appendices	
A Lists of Combat Job Requirements for Personnel in the Armored Cavalry Platoon	15
B Instructions for Rating the Items in the List of Requirements	118
Table	
1 Raters and Jobs Rated	7

**DESCRIPTION
OF THE RESEARCH**

**Determination of
Combat Job Requirements
for Armored Cavalry Platoon Personnel**

BACKGROUND

Armored cavalry platoons have a unique platoon organization in that they are composed of five separate elements: platoon headquarters, scout section, tank section, rifle squad, and support squad. So organized, the armored cavalry platoon forms the smallest combined-arms team in the U.S. Army.

The diversity of the platoon elements and the many different types of assigned missions tax the energy and ability of the platoon commanders, while the fact that each element often operates and fights in semi-isolation makes unusual demands upon platoon members, each of whom must be a master of certain special skills.

To develop such diverse skills within the training time available, it is imperative that armored cavalry training be both effective in producing the desired performances and economical in using training time. Toward this end, the armored cavalry knowledges and skills taught at the U.S. Army Armor School and in field units need to be evaluated in terms of the contribution of training to effective performance of the job requirements.

The principal sources of data for establishing and modifying armored cavalry courses and unit training programs have been conferences among training staff officers and informal reports by field commanders. The Armor School and the TOE armor unit are not organized or staffed to make systematic analyses of job duties and skills, so there have been no specifically designed job analyses or experimental studies to use as bases for establishing the essential content of training. Nor do school personnel have a continuous flow of information about jobs from individuals who are performing them. At the unit level, the priority of other missions and other duties makes it difficult or impossible to obtain data on training effectiveness in a systematic and orderly fashion.

Little or no specific information about skill deficiencies, training problems, or skill retention is therefore available, making it difficult to improve existing school curricula and organizational training programs. The difficulties would be compounded under mobilization, when drastic modifications in training might be needed to meet the special requirements of combat.

Recognizing the difficulties involved in training armored cavalry units, the need to increase their deployment capability and combat readiness, and the need to obtain information on training for mobilization, the U.S. Continental Army Command established a research requirement for the evaluation and improvement of armored cavalry training. One of the first research steps considered necessary was

to determine more specifically the importance in combat of the job requirements for each individual in the armored cavalry platoon.¹

RESEARCH OBJECTIVES

The study reported here had two objectives: (1) to analyze and describe the job requirements for each individual assigned to a TOE armored cavalry platoon, and (2) to obtain information about the combat importance of each job duty, as a means of indicating which skills should receive primary emphasis during training for mobilization.

It was thought that such information would be of value in these ways: (1) furnishing improved criteria for evaluating present and future training programs and the qualifications, abilities, and performances of armored cavalry platoon personnel; (2) enabling school and command personnel to improve curricula by bringing training into closer harmony with field and combat requirements; (3) providing a basis for determining the relative combat importance of duties and skills, and developing curricula for mobilization training.

RESEARCH PROCEDURE

Developing Initial Lists of Job Requirements

Five different types of military occupational specialties are represented in the composition of the platoon: MOS 1204 for the platoon leader; MOS 133 for the platoon sergeant and for scout section personnel; MOS 131 for tank section personnel; MOS 111 for rifle squad personnel; MOS 112 for support squad personnel. Altogether, there are 14 types of jobs, covered by 16 MOS descriptions in Army Regulations 611-101 and 611-201.

The pertinent literature was reviewed to determine what job duties and skills to include in compiling lists of requirements for the various jobs. The literature included relevant field manuals and technical manuals; training circulars on the tactical training of the armored cavalry platoon, troop, squadron, and regiment; combat literature on the experiences of soldiers and platoon leaders in World War II and the Korean conflict; more recent literature about platoon tactics on the nuclear battlefield; and lesson plans and training literature used by the Armor School for instructing platoon and troop officers in armored cavalry principles and procedures.² In addition, experienced officers

¹A concurrent study was a survey of armored cavalry unit commanders to determine specific problems in armored cavalry platoon training. See John G. Cook, *A Survey of Problems in the Tactical Training of Armored Cavalry Platoons*, Research Memorandum, U.S. Army Armor Human Research Unit, Fort Knox, Ky., January 1963 (For Official Use Only).

²A list of the literature consulted in compiling the job requirements is included in this report (p.13). Manuals and similar materials are listed in the form then current, although some have been revised or withdrawn in the interval. The items in the job requirements lists have been updated, as appropriate in the various phases of military review of the research.

and noncommissioned officers were interviewed about the job requirements for armored cavalry platoon personnel, and conferences were held with Armor School instructors.

The objective in compiling the preliminary lists was to make note of virtually every skill that armored cavalry platoon personnel might need to perform their jobs effectively. Five master lists of duties and skills were compiled:

Platoon Leader and Platoon Sergeant (284 items)

Scout Section Leader and Scout Section Personnel
(262 items)

Tank Section Leader and Tank Section Personnel
(245 items)

Rifle Squad Leader and Rifle Squad Personnel
(253 items)

Support Squad Leader and Support Squad Personnel
(269 items)

Initially, separate lists of job duties and skills were compiled for platoon leader and platoon sergeant. However, there proved to be only minor differences between the lists, so in the subsequent field survey identical lists were used for the two positions, although the instructions given to the respondents differed.

Lists of essential traits and abilities for armored cavalry platoon personnel were also compiled. Some of the traits and abilities listed were those cited in a study conducted for the Armor School by the Ohio State University Research Foundation in 1953.¹ That study named 20 behavioral traits which 19 combat-experienced armor officers and NCO's judged to be most important in conducting effective tactical operations in a combat situation. Other traits and abilities were added to the list on the basis of Army literature and of recommendations made by experienced Armor School and armored cavalry personnel.

The initial lists of job duties and skills, and of traits and abilities, were submitted to the Armor School for review as to accuracy and comprehensiveness of content. The lists were then revised in accordance with suggestions received.

Obtaining Field Ratings

Respondents

The research team visited 13 TOE armored cavalry squadrons in the United States and Europe, from February to August 1961, to obtain military ratings on the combat value of the various job duties and skills included in the revised lists. In Europe, all squadrons organic to armored cavalry regiments, the squadron organic to an infantry division, and the squadron organic to an armored division were visited; in the Continental United States, two squadrons of an armored cavalry regiment were visited. Thus the survey included all the armored cavalry regiments, one of four armored divisions, and one of nine

¹Horrocks and Fotheringham, 1954.

infantry divisions, covering 13 of the 25 armored cavalry squadrons in the U.S. Army at the time. The squadrons visited were:

<u>Parent Organization and Squadron</u>	<u>Location</u>
2d Armored Cavalry Regiment	
1st Armored Cavalry Squadron	Germany
2d Armored Cavalry Squadron	Germany
3d Armored Cavalry Squadron	Germany
3d Armored Cavalry Regiment ¹	
2d Armored Cavalry Squadron	Fort Meade
3d Armored Cavalry Squadron	Camp Pickett
11th Armored Cavalry Regiment	
1st Armored Cavalry Squadron	Germany
2d Armored Cavalry Squadron	Germany
3d Armored Cavalry Squadron	Germany
14th Armored Cavalry Regiment	
1st Armored Cavalry Squadron	Germany
2d Armored Cavalry Squadron	Germany
3d Armored Cavalry Squadron	Germany
3d Infantry Division	
2d Armored Cavalry Squadron, 7th ACR	Germany
4th Armored Division	
2d Armored Cavalry Squadron 15th ACR	Germany

At each unit the squadron commander and his staff selected the most experienced personnel to rate the lists of job requirements (Table 1). A platoon leader rated his own job and the job of a platoon sergeant. A platoon sergeant rated his own job. A scout section leader rated his own job and the jobs of scout squad leader, scout observer, and scout driver. A tank section leader (the platoon sergeant in an armored cavalry platoon) rated his own job and the jobs of tank commander, tank gunner, tank loader, and tank driver. A rifle squad leader rated his own job and the jobs of fire team leader, automatic rifleman, rifleman, and rifle squad driver.² A support squad leader rated his own job and the jobs of mortar gunner, assistant gunner, ammunition bearer, and armored mortar carrier driver. The section and squad leaders were asked to rate the jobs within their respective sections or squads because it was believed that these leaders were more cognizant of essential duties, skills, traits, and abilities than their men would be.

¹The 1st Squadron was not visited, because of operational difficulties.

²Since the survey was completed, a new job title, "Grenadier," has been included in the TOE for the rifle squad. The job requirements are the same as those for the riflemen within the rifle squad, except for items dealing with the new equipment and the procedures for its use and employment.

Table 1
Raters and Jobs Rated

Number of Raters	Duty Assignment	Jobs Rated	MOS
29	Platoon Leader	Platoon Leader	1204
		Platoon Sergeant	133.7
30	Platoon Sergeant ^a	Platoon Sergeant	133.7
31	Scout Section Leader	Scout Section Leader	133.6
		Scout Squad Leader	133.6
		Scout Observer	133.0
		Scout Driver	133.1
33 ^b	Tank Section Leader	Tank Section Leader	131.7
		Tank Commander	131.6
		Tank Gunner	131.2
		Tank Loader	131.0
		Tank Driver	131.1
29	Rifle Squad Leader	Rifle Squad Leader	111.6
		Fire Team Leader	111.6
		Automatic Rifleman	111.1
		Rifleman	111.0
		Rifle Squad Driver	111.1
28	Support Squad Leader	Support Squad Leader	112.6
		Mortar Gunner	112.1
		Assistant Gunner	112.0
		Ammunition Bearer	112.0
		Mortar Carrier Driver	112.1

^aIs also the tank section leader.

^bIn a few platoons, experienced tank commanders were also asked to rate the tank section leader's job. This accounts for the difference between the number rating the platoon sergeant's job and those rating the job of tank section leader.

Procedure for Field Ratings

At each armored cavalry unit, the commander was briefed on the purpose of the research and was asked to furnish the personnel needed for the survey. When the group was assembled, instructions for rating the job requirements were issued (see Appendix B). A member of the research team was available to answer questions.

Each rater was instructed to evaluate the items in a list of job requirements according to the following criteria:

- A—Essential for effective combat performance
- B—Essential though not necessarily relevant to combat
- C—Useful information
- D—Information of questionable value
- E—Irrelevant or unnecessary information

In rating the items A, B, C, D, or E, the respondent was told to assume that:

- (1) War had been declared yesterday.
- (2) All-out mobilization had been ordered.

- (3) He had received a group of men who had had basic training, but no armor or armored cavalry training or experience.
- (4) He had the mission of training these men to be a part of a combat-ready tank section, scout section, rifle squad, or support squad, or to be platoon sergeants or platoon leaders; his goal was to achieve a maximum of combat proficiency in the minimum of time.

DATA ANALYSIS AND RESULTS

Combat Job Requirements

When all the ratings had been obtained, the data for each item on each list were tabulated to show the numbers of raters who rated it A, B, C, D, or E. The numbers 5, 4, 3, 2, and 1 were assigned to the respective letter ratings and an average was calculated for each item. This average numerical value, or endorsement index, described each item in terms of its combat importance for the relevant job position within the armored cavalry platoon.

On the platoon leader and platoon sergeant lists, it had been recognized that respondents might not rate certain items identically for both jobs, even though the combat literature and initial interviews had indicated that the duties, responsibilities, and activities for the two jobs are almost identical. In general, however, items that were rated essential for one job were also rated essential for the other—a result in keeping with the fact that the platoon sergeant is second in command within the armored cavalry platoon and is the field replacement for the platoon leader. For platoon sergeants, ratings of certain job duties by platoon leaders and platoon sergeants did result in different endorsement values for these items. However, all of these differences were small, so the two averages for such job duties were combined in preparing the final criterion lists.¹

After an endorsement index was assigned to each item, a final criterion list of requirements was compiled for each of the 14 types of job positions in the platoon. Each list was limited to items rated as essential to performance of the job position (i.e., with a numerical index of 4.00 or above). A few items that were rated as essential were omitted, because they dealt with troop-level requirements whereas this study was concerned primarily with normal requirements at the platoon level. In emergency situations the platoon leader and platoon sergeant may be required to serve in a higher capacity, but under normal operational or combat conditions they are not called upon to perform as troop commanders. Similar considerations apply for section and squad leaders.

¹The results of the numerical ratings for each item may be obtained, from the U.S. Army Armor Human Research Unit, Fort Knox, Kentucky.

Every platoon-level requirement that was rated 4.00 or higher appears in the final lists (Appendix A). Requirements were organized under five major headings:

Automotive Subjects and Skills	General Subjects
Armored Cavalry Employment	Gunnery, Weapons,
Communication Subjects and Skills	and Materiel

In most instances, the entry for each item or job duty was stated in three ways—in terms of Operations, Knowledge Factors, and Responsibilities—in order to present the material in forms that would have maximum usefulness for the commanders and training personnel concerned with preparing an armored cavalry platoon for combat.

Traits and Abilities

The same procedures were used in analyzing the lists of traits and abilities as in analyzing the job duties. When the resulting lists for each type of platoon job were inspected, only minor differences were found (1) between ratings of traits for platoon leaders and those for platoon sergeants; (2) between traits for section leaders, squad leaders, and tank commanders; and (3) between traits for other section, squad, and crew personnel. Accordingly, individual job lists of essential traits and abilities were combined into three lists, which are presented as a supplement to Appendix A.

DISCUSSION

Final Lists of Job Requirements

The results of the survey—lists of “essential” job duties and skills, and of “essential” traits and abilities—are believed to represent the minimum requirements for the effective performance of the jobs of armored cavalry platoon personnel in combat.

The procedures used—military review of the original lists for accuracy and comprehensiveness of content, and rating of every item by experienced armored cavalry platoon personnel on the job—have resulted in lists that are comprehensive, detailed, and realistic in terms of what is required in combat.

MOS Specifications

A comparison of the content of the lists of job requirements with the various MOS specifications for armored cavalry personnel in AR 611-101 and AR 611-201 indicated that many armored cavalry skills and duties are not reflected in MOS descriptions. Thus:

(1) The MOS specifications in AR 611-101 for the Armored Cavalry Unit Commander (MOS 1204) are stated in very general terms, not in terms of specific duties. Armored cavalry requirements for command and control of the combined arms elements, scout section tactics, tank section tactics, infantry tactics, and utilization of the 4.2 mortar are not mentioned.

The job of the armored cavalry platoon leader is generally recognized to be considerably more difficult than that of the tank platoon leader. However, the formal MOS statement for the armored cavalry platoon leader contains no indication of the fact that he is controlling a platoon headquarters and four unique tactical elements that must be integrated into a functioning unit in spite of the varying methods of tactical employment of the elements and the vehicular differences among them. The officer assigned to this complex job receives very little formal training for it.

(2) The AR 611-201 statements for MOS 133, covering the platoon sergeant and scout section personnel, are quite comprehensive for armor personnel in general, but are considerably less representative of the duties of men in armored cavalry platoons. The MOS description specifies that the platoon sergeant (MOS 133.7) must know types and use of equipment authorized in Armor staff sections, must know armor intelligence staff operations and procedures, and must be able to assist in preparation of intelligence records, reports, and files. These knowledges and skills are rarely used by a platoon sergeant in an armored cavalry platoon, whereas other duties and skills of considerable value to him are not listed for the MOS.

(3) The skill requirements for tank platoon personnel (MOS 131) have been discussed in detail in two earlier HumRRO reports.¹ Certain additional duties and skills pertaining to armored cavalry operations are applicable for tank section personnel serving in armored cavalry units, but they are not reflected in MOS descriptions in AR 611-201.

(4) The MOS 111 specifications for the rifle squad are comprehensive for infantry subjects and skills, but not for the employment of armored infantry and the duties of the infantryman in an armored cavalry unit. The armored personnel carrier is not mentioned in AR 611-201, although this vehicle is the primary means of transportation for armored infantry and APC operational and maintenance skills must be available.

(5) Specifications in AR 611-201 for support squad positions (MOS 112) are also comprehensive for armor in general, but they do not cover some subjects and skills that are necessary for armored cavalry operations. The job of support squad leader has special importance in an armored cavalry unit, for he must operate as his own fire direction center and compute all necessary firing data—something the holder of this MOS seldom has to do when operating with other types of units. Also, in armored cavalry operations the support squad is responsible for the operation and maintenance of the mortar carrier, and this requirement is not reflected in the AR.

In view of the differences noted between MOS descriptions and the job requirements rated as essential, there appears to be a clear need for reflecting more fully, in the MOS descriptions and possibly in the MOS structure as well, the duties and skills required of armored cavalry personnel.

¹Baker, 1958; Roach and Baker, 1961.

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AND
APPENDICES**

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Appendix A

LISTS OF COMBAT JOB REQUIREMENTS FOR PERSONNEL IN THE ARMORED CAVALRY PLATOON

	Page
Combat Job Requirements for Armored Cavalry Platoon Leader (MOS 1204) and Platoon Sergeant (MOS 133.7) ¹	17
Combat Job Requirements for Scout Section Leader (MOS 133.6) and Scout Squad Leader (MOS 133.6)	33
Combat Job Requirements for Scout Observer (MOS 133.0), Scout Driver (MOS 133.1), and Platoon Leader's Driver (MOS 133.1)	47
Combat Job Requirements for Tank Section Leader (MOS 131.7) ¹	54
Combat Job Requirements for Tank Commander (MOS 131.6)	57
Combat Job Requirements for Tank Gunner (MOS 131.2)	59
Combat Job Requirements for Tank Loader (MOS 131.0)	60
Combat Job Requirements for Tank Driver (MOS 131.1)	61
Combat Job Requirements for Rifle Squad Leader (MOS 111.6) and Rifle Squad Fire Team Leader (MOS 111.6)	62
Combat Job Requirements for Grenadier (MOS 111.1), Automatic Rifleman (MOS 111.1), and Rifleman (MOS 111.0)	74
Combat Job Requirements for Rifle Squad Driver (MOS 111.1)	80
Combat Job Requirements for Support Squad Leader (MOS 112.6)	88
Combat Job Requirements for Mortar Gunner (MOS 112.1), Assistant Gunner (MOS 112.0), and Ammunition Bearer (MOS 112.0)	100
Combat Job Requirements for Mortar Carrier Driver (MOS 112.1)	107
 Supplement: Lists of Desirable Traits and Abilities for Personnel in the Armored Cavalry Platoon	 115

¹In an armored cavalry platoon, the platoon sergeant is normally also the tank section leader. Although one man does both jobs, two lists of duties and skills are presented here—a list for the platoon sergeant and a list for the tank section leader.

**COMBAT JOB REQUIREMENTS
FOR ARMORED CAVALRY PLATOON LEADER (MOS 1204)
AND PLATOON SERGEANT (MOS 133.7)**

Operations	Knowledge Factors	Responsibilities
Job Duties: Automotive Subjects and Skills		
1. Inspects and evaluates the adequacy of platoon maintenance.	1. Knows the first and second echelons of the Army System of Maintenance, and maintenance inspections and inspecting procedures at platoon level.	1. Is responsible for insuring that all maintenance checks are properly performed, and that any deficiencies noted are reported.
2. Supervises and instructs the platoon in the use of forms and records, technical manuals, and lubrication orders used in performing maintenance services.	2. Knows the forms and records, technical manuals, and lubrication orders used in first and second echelon maintenance services at platoon level.	2. Is responsible for insuring that correct maintenance procedures are followed, and that the correct publications and forms are being utilized.
3. Supervises and demonstrates proper driving practices on all vehicles organic to the platoon.	3. Knows the proper driving practices, including starting and stopping, rules of the road, and operations under extreme climatic conditions.	3. Is responsible for insuring that his platoon personnel follow proper driving practices at all times.
4. Organizes and sets up classes for a driver training program for all vehicles organic to the platoon.	4. Knows the methods and procedures for organizing a driver training program for all vehicles organic to the platoon. Knows the general performance capabilities of all vehicles organic to the platoon.	4. Is responsible for insuring that the driving program is set up properly and run correctly, and that all platoon personnel are familiar with the general performance capabilities of all platoon vehicles.
5. Conducts and supervises daily maintenance services on all platoon vehicles.	5. Knows the driver and crew maintenance services for all vehicles within the platoon.	5. Is responsible for insuring that all driver and crew maintenance procedures are performed as required.
6. Supervises and conducts vehicle recovery and field expedient operations, utilizing tools and equipment found within the platoon and troop.	6. Knows field expedients and vehicle recovery techniques utilizing tools and equipment found at platoon and troop level.	6. Is responsible for the proper employment of field expedients and recovery vehicles.
7. Supervises the use of personnel, tools, and equipment used to accomplish troop maintenance.	7. Knows the prescribed personnel, tools, and equipment used to accomplish troop maintenance.	7. Is responsible for the proper use of the prescribed personnel, tools, and equipment used to accomplish troop maintenance.
8. Supervises the use of recovery vehicles and maintenance facilities found at squadron level.	8. Knows vehicle recovery techniques utilizing the recovery vehicles and maintenance facilities found at squadron level.	8. Is responsible for the proper use of recovery vehicles and maintenance facilities found at squadron level.

Platoon Leader and Platoon Sergeant

Operations	Knowledge Factors	Responsibilities
9. Supervises and conducts classes on the installation and proper use of infrared devices normally found within the platoon.	9. Knows the proper installation and use of infrared devices normally found within the platoon.	9. Is responsible for insuring that the infrared devices are installed correctly and utilized properly.
10. Supervises the tactical employment of night illuminating devices found within the platoon.	10. Knows the correct procedures for tactical employment of night illuminating devices normally found within the platoon.	10. Is responsible for the proper employment of night illuminating devices found within the platoon.
	11. Knows the duties and responsibilities of the troop motor officer's job.	11. Is responsible for liaison between the platoon and the troop motor officer.
	12. Knows the necessary maintenance inspections and the inspecting procedures required at troop level.	12. Is responsible for insuring that his platoon is familiar with the inspecting procedures, and that it passes all maintenance inspections.

Job Duties: Armored Cavalry Employment

	1. Knows the organization and capabilities of the armored cavalry platoon.	1. Is responsible for utilizing the various elements of the platoon to their maximum capabilities, and insures that all the elements function as one smooth organization.
2. Commands and controls the scout section, tank section, rifle squad, and support squad.	2. Knows the manner and method of employment for the scout section, tank section, rifle squad, and support squad.	2. Is responsible for the effective employment of the scout section, tank section, rifle squad, and support squad.
3. Commands and controls the platoon on a route, zone, and area reconnaissance mission.	3. Knows the manner and methods of conducting a route, zone, and area reconnaissance mission.	3. Is responsible for effectively employing the platoon on a route, zone, and area reconnaissance mission.
4. Commands and controls the platoon in an advance guard mission, flank guard mission, rear guard mission for advancing forces and withdrawing forces, delaying action mission, screening mission, rear area security mission.	4. Knows the manner and methods of conducting an advance guard mission, flank guard mission, rear guard mission for advancing forces and withdrawing forces, delaying action mission, screening mission, rear area security mission.	4. Is responsible for effectively employing the platoon in an advance guard mission, flank guard mission, rear guard mission for advancing forces and withdrawing forces, delaying action mission, screening mission, rear area security mission.
5. Supervises and instructs the platoon on the manner and methods of conducting battle, close, and distance reconnaissance.	5. Knows the manner and methods of conducting battle, close, and distance reconnaissance.	5. Is responsible for the collection of battle, close, and distance reconnaissance, and for insuring that all personnel utilize the correct methods of conducting these types of reconnaissance.

Operations	Knowledge Factors	Responsibilities
6. Commands and controls an attack, as commander of the platoon.	6. Knows platoon methods of attack.	6. Is responsible for effectively employing the platoon in an attack.
7. Commands and controls the platoon in defense.	7. Knows the conduct of defense.	7. Is responsible for the effective employment of the platoon in defense.
8. Commands and controls a tank platoon in the defense.	8. Knows how to employ a tank platoon in the defense.	8. Is responsible for the effective employment of a tank platoon in the defense.
9. Commands and controls the platoon in a night attack.	9. Knows how to employ the platoon in a night attack.	9. Is responsible for the effective employment of the platoon in a night attack.
10. Commands and controls the platoon in amphibious operations.	10. Knows the manner and methods of employing the platoon in amphibious operations.	10. Is responsible for the effective employment of the platoon in amphibious operations.
11. Prescribes and selects platoon combat formations.	11. Knows platoon combat formations.	11. Is responsible for the selection of the proper combat formation, depending on the situation.
12. Prescribes and controls tank platoon combat formations and selects methods of advance.	12. Knows tank platoon combat formations and methods of advance.	12. Is responsible for selecting the proper tank platoon combat formations, and for selecting the proper methods of advance.
	13. Knows the organization and capabilities of the tank and mechanized platoons.	13. Is responsible for the employment of the tank and mechanized platoons, utilizing their organizational structure and capabilities to the greatest advantage.
	14. Knows how to employ the tank platoon and the mechanized platoon in a combined arms operation.	14. Is responsible for the effective employment of the tank platoon and the mechanized platoon in a combined arms operation, as utilized in armored cavalry operations.
	15. Knows how to employ the tank and mechanized platoons in the defense.	15. Is responsible for the effective employment of the tank and mechanized platoons in the defense, as utilized in armored cavalry operations.
	16. Knows the employment of the armored cavalry platoon in nuclear warfare; knows the nature and extent of nuclear explosions and their effects on personnel and vehicles.	16. Is responsible for the proper employment of the armored cavalry platoon in nuclear warfare, and for insuring that all platoon personnel are trained in passive defense against nuclear explosions.

Platoon Leader and Platoon Sergeant

Operations	Knowledge Factors	Responsibilities
17. Commands and controls the platoon in the use of CBR agents in tactical situations; takes precautionary measures to protect the platoon against the effects of CBR agents.	17. Knows the employment of the platoon in CBR warfare; knows the nature and extent of CBR agents and their effects on personnel and vehicles.	17. Is responsible for proper employment of the platoon in CBR warfare, and for insuring that all platoon personnel are trained in passive defense against CBR agents.
18. Commands and controls provisional scout, rifle, mortar, and tank platoons.	18. Knows how to employ provisional scout, rifle, mortar, and tank platoons.	18. Is responsible for the effective employment of provisional scout, rifle, mortar, and tank platoons.
19. Commands and controls the platoon, taking advantage of knowledge about the enemy, terrain, weather, and his own organization in accomplishing his assigned mission.	19. Knows the effect of the enemy, terrain, weather, and the operational status of the platoon on armored cavalry operations.	19. Is responsible for the effective use of all information in the accomplishment of his assigned mission.
20. Employs the platoon, utilizing the terrain to the best advantage; leads the platoon through or around terrain of doubtful trafficability; determines trafficability of all terrain and routes over which the platoon may be required to travel.	20. Knows the basic principles of terrain analysis, and the methods and techniques for determining trafficability.	20. Is responsible for recognizing, through terrain analysis, terrain which affords good trafficability, and for insuring the platoon's mobility through selection of trafficable routes.
21. Commands and controls helicopter-borne armored cavalry units at platoon level.	21. Knows how to employ helicopter-borne armored cavalry units at platoon level.	21. Is responsible for the effective employment of helicopter-borne armored cavalry units at platoon level.
22. Commands and controls the tactical employment of any missiles or special weapons assigned to the platoon.	22. Knows how to employ any missiles or special weapons assigned to the platoon.	22. Is responsible for the effective employment of any missiles or special weapons which may be assigned to the platoon.
23. Commands and controls the tactical employment of any missiles or special weapons supporting the platoon.	23. Knows how to tactically employ any missiles or special weapons supporting the platoon.	23. Is responsible for the effective employment of any missiles or special weapons supporting the platoon.
24. Prepares and issues all types of orders at the platoon level.	24. Knows operation orders, including written, oral, fragmentary, and warning orders.	24. Is responsible for issuing clear, concise, and timely orders.
25. Prepares for and commands and controls the platoon on armored marches.	25. Knows march terms; knows how to conduct and prepare for armored marches at platoon level.	25. Is responsible for the preparation and conduct of armored marches for his platoon.
26. Commands and controls the platoon in the observation, collection and reporting of combat information.	26. Knows the combat intelligence responsibility of the armored cavalry platoon leader.	26. Is responsible for collection and reporting of all combat information.

Operations	Knowledge Factors	Responsibilities
27. Supervises platoon personnel in a manner which insures that security information is controlled on a need-to-know basis.	27. Knows how to safeguard military information; knows the various classifications of security materials, basic safeguards, and provisions of AR 380-5.	27. Is responsible for safeguarding all security materials and military information of which he has knowledge, and for insuring that all platoon personnel safeguard sensitive materials and information.
	28. Knows characteristics of potential enemy tanks, infantry, aircraft, and missiles; knows enemy organizations and combat methods.	28. Is responsible for insuring that all platoon personnel are familiar with the characteristics of potential enemy tanks, infantry, aircraft, and missiles, and enemy organizations and combat methods.
	29. Knows counterintelligence measures and operations in the U. S. Army and in foreign armies.	29. Is responsible for coordinating any counterintelligence operations concerning his platoon, and for reporting any counterintelligence measures or operations utilized by a potential enemy.
	30. Knows the methods of classification for routes.	30. Is responsible for the correct classification of routes, and insures that all personnel are familiar with the classification of routes.
	31. Knows how to classify bridges as to weight capacity.	31. Is responsible for the classification and reporting of bridges as to weight capacity.
32. Supervises and instructs the platoon on the fundamentals of military explosives, including priming and use of the demolition card, and on the employment of explosives in such operations as bridge destruction, cratering, and establishing road blocks.	32. Knows the fundamentals of military explosives, including priming and use of the demolition card; knows the employment of explosives in such operations as bridge destruction, cratering, and establishing road blocks.	32. Is responsible for insuring that all personnel are familiar with explosives and for the effective employment of explosives in such operations as bridge destruction, cratering, and establishing road blocks.
33. Supervises and instructs the platoon on all types of land mines, to include antipersonnel mines, and on laying of minefields, breaching of minefields, recording, marking, reporting the existence of minefields, and requesting of support as required.	33. Knows all types of land mines to include antipersonnel mines; knows laying of minefields, breaching of minefields, recording, marking, reporting the existence of minefields, and requesting of support as required.	33. Is responsible for the effective employment of the platoon in all types of operations concerned with land mines.
34. Supervises and instructs the platoon in the proper coordination, supervision, and formulation of fire plans at platoon level.	34. Knows how to formulate a fire plan at platoon level; knows basic fire planning terms.	34. Is responsible for the effective employment of the platoon in the formulation of fire plans at platoon level.

Platoon Leader and Platoon Sergeant

Operations	Knowledge Factors	Responsibilities
35. Supervises and instructs the platoon in the necessary coordination and control techniques used by ground elements employing aircraft in a fire support role.	35. Knows the coordination and control techniques used by ground elements employing aircraft in a fire support role.	35. Is responsible for the proper coordination and control techniques used by the platoon in employing aircraft in a fire support role, and insures that all platoon personnel are familiar with the coordination and control techniques.
	36. Knows of Army aviation missions, specifically those that directly support armored cavalry platoon operations.	36. Is responsible for any necessary coordination between the platoon and the Army aviation personnel directly supporting the platoon's operations.
37. Supervises and instructs the platoon in selecting, marking, and controlling a drop zone and landing strip during the daytime and at night.	37. Knows the methods and techniques of selecting, marking, and controlling a drop zone and landing strip during the daytime and at night.	37. Is responsible for the effective employment of the platoon in controlling a drop zone and landing strip during the daytime or at night, and for insuring that all personnel know the methods and techniques for selecting, marking, and controlling a drop zone or landing strip during the daytime or at night.
38. Supervises and instructs the platoon in requesting and recovering supplies delivered by aerial means.	38. Knows aerial resupply techniques and procedures for platoon operations.	38. Is responsible for requesting aerial resupply, and for insuring that all personnel utilize proper aerial resupply techniques and procedures.
	39. Knows of the organization, equipment, and employment of engineers supporting the platoon.	39. Is responsible for any necessary coordination between the platoon and the engineers supporting the platoon.
	40. Knows the system of supply, medical evacuation, and maintenance procedures (to include evacuation and recovery) used in providing support to the platoon.	40. Is responsible for requesting and utilizing the various support units available to the platoon.

Job Duties: Communication Subjects and Skills

1. Controls and uses the platoon communication system to its maximum capability.	1. Knows the commander's responsibility for communications; knows the capabilities of platoon communication facilities.	1. Is responsible for the platoon's proper use of the platoon's communication system.
2. Supervises and assists in the installation, operation, and maintenance of all communication equipment used by the platoon.	2. Knows installation, operation, and maintenance procedures for all communication equipment used by the platoon.	2. Is responsible for maintaining communications within the platoon and between the platoon and other elements, as necessary.

Operations	Knowledge Factors	Responsibilities
3. Inspects armored cavalry signal equipment within the platoon and uses the appropriate maintenance forms.	3. Knows how to inspect signal equipment; knows what maintenance forms are to be filled out.	3. Is responsible for the condition of the radios within the platoon, for inspecting the signal equipment periodically, and for filling out the proper maintenance forms.
	4. Knows the standard series radio sets found in the troop.	4. Is responsible for knowing what means of communication are available to him, so he can communicate with other units within the troop and with troop headquarters.
	5. Knows the communications, and the communication requirements, in the troop.	5. Is responsible for having a complete understanding of the communications, and of communication requirements, in the troop, so he can utilize the means and methods of communication more easily and with greater efficiency.
	6. Knows the radio nets at troop level.	6. Is responsible for knowing the proper frequencies and call signs and procedures for communicating with other units within the troop and with troop headquarters.
7. Opens, closes, and enters radio nets.	7. Knows how to open, close, and enter radio nets.	7. Is responsible for the platoon's properly opening, closing, or entering radio nets.
8. Uses the phonetic alphabet as necessary.	8. Knows the phonetic alphabet; knows when it is used.	8. Is responsible for seeing that all platoon members properly use the phonetic alphabet as required.
9. Uses standard radiotelephone procedure, including prowords, corrections, relaying, etc.	9. Knows standard radiotelephone procedure, including prowords, corrections, relaying, etc.	9. Is responsible for seeing that all members of the platoon use correct radiotelephone procedure.
10. Uses the interphone language which is common to the tank section, scout section, rifle squad, and support squad.	10. Knows the interphone language which is used by the tank section, scout section, rifle squad, and support squad.	10. Is responsible for insuring that each section and squad use the proper interphone language in communicating with each other.
11. Uses codes and ciphers as required.	11. Knows codes and ciphers.	11. Is responsible for using proper codes and ciphers in communications.
12. Employs authentication procedures and techniques as required.	12. Knows authentication procedures and techniques.	12. Is responsible for the authentication procedures used within the platoon.
13. Uses the techniques necessary to insure physical and cryptographic security.	13. Knows the techniques necessary to insure physical and cryptographic security.	13. Is responsible for utilizing the techniques necessary to insure physical and cryptographic security within the platoon.

Platoon Leader and Platoon Sergeant

Operations	Knowledge Factors	Responsibilities
14. Recognizes and takes proper countermeasures against enemy jamming signals.	14. Knows the categories and types of jamming encountered in the operation of radio nets.	14. Is responsible for getting the message through enemy jamming.
15. Formulates, transmits, and dispatches all messages as required at platoon level.	15. Knows how to formulate, transmit, and dispatch all messages as required at platoon level.	15. Is responsible for proper formulation, transmission and dispatch of all messages as required at platoon level.
16. Reads, interprets, and follows SOI extracts.	16. Knows the content, purpose, and use of SOI extracts, and the necessary safeguards.	16. Is responsible for the platoon's following of SOI extracts, and for the preservation of security in the platoon.
17. Reads, interprets, and follows SSI extracts.	17. Knows the content, purpose, and use of SSI extracts, and the necessary safeguards.	17. Is responsible for the platoon's following of SSI extracts, and for the preservation of security in the platoon.
18. Operates and maintains the standard series radios organic to the armored cavalry platoon.	18. Knows the operation and maintenance of the standard series radios organic to the armored cavalry platoon.	18. Is responsible for operating and maintaining the standard series radios organic to the armored cavalry platoon, and for insuring that platoon personnel operate and maintain them properly.
19. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	19. Knows arm and hand, flag, flashlight, and panel signals.	19. Is responsible for proper execution and interpretation of signals by the platoon.
20. Supervises and employs troubleshooting procedures and user field expedients on the standard series radios.	20. Knows troubleshooting procedures and user field expedients on the standard series radios.	20. Is responsible for proper functioning of platoon radios at the user level.
21. Supervises and assists in the installation and operation of field wire equipment used by the platoon and the performance of user maintenance on this equipment.	21. Knows the installation and operation of field wire equipment used by the platoon; knows the performance of user maintenance on this equipment.	21. Is responsible for insuring that all personnel are familiar with the installation and operation of field wire equipment used by the platoon, and with the performance of user maintenance on this equipment.
22. Supervises and assists in the construction of field expedients for antennas for the FM radio sets.	22. Knows the techniques and methods of constructing field expedients for antennas for the FM radio sets.	22. Is responsible for insuring that members of the platoon use the correct techniques and methods of constructing field expedients for antennas for the FM radio sets.
23. Supervises and assists in the emplacement and operation of attached or supporting short- and medium-range ground surveillance equipment.	23. Knows the techniques and methods of emplacing and operating attached or supporting short- and medium-range group surveillance equipment.	23. Is responsible for insuring that members of the platoon use the correct techniques and methods in assisting in the emplacement and operation of attached or supporting short- and medium-range ground surveillance equipment.

Operations	Knowledge Factors	Responsibilities
Job Duties: General Subjects		
1. Uses the proper methods of orienting conventional military maps.	1. Knows the proper methods of orienting conventional military maps.	1. Is responsible for insuring that platoon members know how to orient conventional military maps.
2. Interprets and uses the conventional signs and symbols appearing on military maps.	2. Knows the conventional signs and symbols appearing on military maps.	2. Is responsible for interpreting the signs and symbols on military maps and for properly using signs and symbols as required.
3. Determines magnetic declinations; uses the declination diagram on military maps to convert grid north to magnetic north, magnetic north to grid north, true north to grid north, magnetic north to true north, true north to magnetic north.	3. Knows how to determine magnetic declinations and to use the declination diagram on military maps.	3. Is responsible for determining magnetic declinations and for using the declination diagram on military maps as required.
	4. Knows the difference between magnetic north, grid north, and true north.	4. Is responsible for knowing how magnetic north, grid north, and true north are used in determining location on a military map.
5. Uses maps to determine the direction of river flow.	5. Knows the proper techniques for determining direction of river flow from maps.	5. Is responsible for insuring that platoon personnel know the proper techniques for determining direction of river flow from maps.
6. Uses the map scale found at the bottom of military maps to measure distances.	6. Knows the use of the map scale found at the bottom of military maps.	6. Is responsible for using the map scale correctly and for insuring that platoon personnel utilize it correctly.
7. Uses intersection and resection in locating positions on a map.	7. Knows the methods and techniques of intersection and resection in locating positions on a map.	7. Is responsible for determining the platoon's position at all times, and for using the methods and techniques of intersection and resection to determine their position as required.
8. Expresses location of friendly forces, enemy forces, physical objects, man-made objects, etc., by means of the grid system.	8. Knows the use of the grid system in expressing location of friendly forces, enemy forces, physical objects, etc. Knows various map grid systems.	8. Is responsible for expressing location of friendly forces, enemy forces, etc., by use of the grid system, and for insuring that all members of the platoon are able to express location by using the grid system.
9. Determines map scale from a photographic map.	9. Knows the methods for determining map scale from a photographic map.	9. Is responsible for determining map scale from a photographic map in the execution of a platoon mission.

Platoon Leader and Platoon Sergeant

Operations	Knowledge Factors	Responsibilities
10. Determines ground distance from a photographic map.	10. Knows the methods for determining ground distance from a photographic map.	10. Is responsible for determining ground distance from a photographic map in the execution of a platoon mission.
11. Uses and interprets aerial photographs in the planning and execution of platoon missions.	11. Knows how to use and interpret aerial photographs.	11. Is responsible for the use of aerial photographs in the execution of a platoon mission.
12. Uses maps to determine elevation and recognize ground forms from contour lines.	12. Knows how to determine elevation and recognize ground forms from contour lines on maps.	12. Is responsible for using maps correctly in carrying out his mission.
13. Uses the compass to determine location and indicate direction during both day and night movements.	13. Knows use of the compass during day and night movements.	13. Is responsible for leading the platoon accurately by compass during daylight and darkness.
14. Prepares legible sketch maps as needed.	14. Knows map sketching techniques.	14. Is responsible for preparation of appropriate sketch maps and for insuring that platoon personnel know map sketching techniques.
15. Uses the basic principles of terrain analysis to aid in carrying out the platoon mission.	15. Knows the basic principles of terrain analysis.	15. Is responsible for utilizing the basic principles of terrain analysis to aid in carrying out a platoon mission.
16. Selects the formation, methods of movement, and avenues of movement for the platoon so as to take maximum advantage of the terrain.	16. Knows the basic principles of terrain analysis.	16. Is responsible for employing the platoon so as to take maximum advantage of the terrain.
17. Selects critical or key terrain to aid in the accomplishment of the platoon mission.	17. Knows the elements which make up critical or key terrain.	17. Is responsible for selecting terrain over which the platoon will be employed to the best advantage.
	18. Knows the effects of climate and weather on terrain.	18. Is responsible for considering the effects of climate and weather on terrain in carrying out a platoon mission.
19. Supervises oral instruction, and assists in presenting it.	19. Knows the methods and techniques of presenting good oral instruction.	19. Is responsible for conducting oral or lecture types of instruction for the platoon, and for insuring that personnel responsible for presenting instruction utilize the methods and techniques of presenting good oral instruction.
20. Conducts practical work and demonstrations.	20. Knows the methods and techniques of conducting practical work; knows the use of demonstrations in platoon training.	20. Is responsible for conducting classes for the platoon and for utilizing the methods and techniques of practical work and demonstrations.

Operations	Knowledge Factors	Responsibilities
21. Supervises and assists in conducting critiques.	21. Knows the methods and techniques of conducting critiques.	21. Is responsible for insuring that critiques are held properly and for the right purpose.
22. Uses good speech techniques in giving instruction.	22. Knows good speech techniques to be used in giving instruction.	22. Is responsible for using good speech techniques and for insuring that platoon personnel who teach use good speech techniques.
23. Prepares training programs for the platoon.	23. Knows the methods and techniques for preparing training programs for the platoon.	23. Is responsible for insuring that the platoon receives training, and that the training standards required by higher headquarters are complied with.
24. Prepares and executes tactical training field exercises for the platoon.	24. Knows how to write and execute tactical training field exercises for the platoon.	24. Is responsible for insuring that the platoon receives tactical training, and that the platoon's combat efficiency is up to required standards.
25. Maintains discipline, morale, and <u>esprit de corps</u> in the platoon at all times.	25. Knows the traits and basic qualities of the leader, and the principles and techniques of military leadership.	25. Is responsible for employing methods and techniques to insure high morale, discipline, and <u>esprit de corps</u> in the platoon.
26. Utilizes proper troop-leading procedures.	26. Knows proper troop-leading procedures.	26. Is responsible for insuring that all platoon supervisory personnel utilize proper troop-leading procedures.
27. Commands and controls the platoon during dismounted drill.	27. Knows how to conduct the platoon during dismounted drill; knows the proper procedures to follow during dismounted drill.	27. Is responsible for instructing the platoon in dismounted drill, and for utilizing the correct procedures in conducting dismounted drill.
28. Commands and controls the platoon during troop formations.	28. Knows the correct procedures for the platoon in troop formations.	28. Is responsible for instructing the platoon on all troop formations, and for the functioning of the platoon during participation in troop formations.
29. Supervises and instructs the platoon in calisthenics and other types of athletics.	29. Knows the procedures for administering calisthenics and other types of athletics.	29. Is responsible for insuring that all platoon personnel can pass a normal and reasonable physical fitness test.
30. Supervises and executes the proper techniques of giving emergency aid to personnel who become casualties.	30. Knows basic principles of first aid procedures.	30. Is responsible for insuring that all platoon members know how to administer emergency aid, and that anyone who receives a wound is given immediate and appropriate emergency aid.

Platoon Leader and Platoon Sergeant

Operations	Knowledge Factors	Responsibilities
31. Supervises and assists in the removal of casualties from vehicles, and reports occurrence of any casualty.	31. Knows proper procedures for evacuating casualties from armored vehicles and for reporting any casualty to the troop commander.	31. Is responsible for instructing platoon members in proper methods of removing casualties from armored vehicles, and for insuring that the removal is properly performed and reported.
32. Instructs and supervises personnel in proper preventive health measures, both in garrison and in the field.	32. Knows practical measures for the preservation of health and the prevention of disease.	32. Is responsible at all times for the health and welfare of the personnel assigned to the platoon.
	33. Knows the organization and function of the medical service in the troop.	33. Is responsible for requesting medical aid as required, and for insuring that platoon personnel know whom to call for medical aid or support.
	34. Knows the general responsibilities and specific duties of the armored cavalry platoon leader.	34. Is responsible for the effective employment of the platoon in combat.
	35. Knows the individual duties and responsibilities of the tank section leader and tank crewman.	35. Is responsible for the effective employment of the tank section when he operates in the dual role of platoon leader and tank section leader.
36. Supervises and instructs subordinate commanders in the performance of their assigned duties.	36. Knows the individual duties and responsibilities of the tank section leader, scout section leader, rifle squad leader, and support squad leader.	36. Is responsible for insuring that all personnel in the platoon perform their assigned duties at a high level of proficiency at all times.
37. Instructs the platoon in defense against enemy psychological warfare.	37. Knows the methods of defense against enemy psychological warfare.	37. Is responsible for insuring that the platoon resists any psychological measures employed by the enemy.
38. Commands, controls, and instructs the platoon in the Code of Conduct; defense against enemy propaganda; and survival, evasion, and escape techniques.	38. Knows the Code of Conduct; defense against enemy propaganda; and survival, evasion, and escape techniques.	38. Is responsible for insuring that platoon personnel fully understand and apply the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.
	39. Knows the principles and fundamentals of military justice; knows how to function as a member of a military court-martial.	39. Is responsible for insuring that platoon personnel are aware of their rights under military law, and of the conduct expected of them in garrison or in combat.
40. Supervises and instructs the platoon in use of the bayonet and in techniques of unarmed defense.	40. Knows how to utilize the bayonet; knows techniques of unarmed defense.	40. Is responsible for insuring that platoon personnel know how to fight with the bayonet and how to defend themselves in unarmed combat.

Operations	Knowledge Factors	Responsibilities
	41. Knows the basic techniques and principles of camouflage.	41. Is responsible for insuring that all personnel use the basic techniques and principles of camouflage in camouflaging themselves and their vehicles.
	42. Knows the principles and general functions of logistics.	42. Is responsible for requesting supplies, and for utilizing the correct methods and procedures.
	43. Knows of the classes of supply.	43. Is responsible for requesting the right classes of supply, in the proper amounts, for the platoon.

Job Duties: Gunnery, Weapons, and Materiel

1. Commands, controls, and distributes weapons fire of the tank section, scout section, rifle squad, and support squad.	1. Knows the employment of the platoon in a fire mission.	1. Is responsible for the effectiveness of the platoon's fire.
2. Senses and detects enemy targets.	2. Knows the techniques of sensing and detecting enemy targets.	2. Is responsible for insuring that platoon personnel know the techniques of sensing and detecting enemy targets.
3. Engages stationary and moving targets with the main tank gun.	3. Knows the technique of engaging stationary and moving targets with the main tank gun.	3. Is responsible for insuring that platoon personnel know tank gunnery, and for the effective employment of the main tank gun.
4. Estimates range by eye.	4. Knows the methods and techniques of estimating range visually.	4. Is responsible for insuring that platoon personnel know how to estimate range visually.
5. Issues initial and subsequent fire commands as required.	5. Knows the terminology and sequence of initial and subsequent fire commands.	5. Is responsible for insuring that platoon personnel know the terminology and sequence of initial and subsequent fire commands.
6. Uses the primary and alternate methods of fire adjustment with the main tank gun.	6. Knows the primary and alternate methods of fire adjustment with the main tank gun.	6. Is responsible for insuring that platoon personnel know the primary and alternate methods of fire adjustment with the main tank gun.
7. Operates, uses, and maintains the rangefinder.	7. Knows how to operate, use, and maintain the rangefinder.	7. Is responsible for insuring that platoon personnel know the operation, use, and maintenance of the rangefinder.
8. Supervises and assists in the boresighting and zeroing of all crew-served tank weapons.	8. Knows how to boresight and zero all crew-served tank weapons.	8. Is responsible for insuring that platoon personnel know how to boresight and zero all crew-served tank weapons.

Platoon Leader and Platoon Sergeant

Operations	Knowledge Factors	Responsibilities
9. Uses and employs the aiming circle.	9. Knows how to use and employ the aiming circle.	9. Is responsible for insuring that platoon personnel know the use and employment of the aiming circle.
10. Uses the mil formula in the field.	10. Knows how to compute the mil formula and how to apply it.	10. Is responsible for insuring that platoon personnel know how to compute the mil formula and apply it.
11. Supervises and assists in the preparation and use of a range card.	11. Knows how to prepare a range card; knows how to fire using the data on a range card.	11. Is responsible for insuring that platoon personnel know how to prepare a range card and how to fire using the data on a range card.
12. Requests and adjusts artillery fire and utilizes the correct fire procedures.	12. Knows how to request and adjust artillery fire; knows how to utilize proper observed fire procedures.	12. Is responsible for requesting artillery fire, and for relaying correct target data and range and deflection changes to insure coverage of the target area.
13. Supervises and instructs platoon personnel in safety precautions to be taken in firing and maintaining all weapons organic to the platoon.	13. Knows safety precautions to be taken in firing and maintaining all platoon weapons.	13. Is responsible for the safety of platoon personnel, and for insuring that all safety precautions are followed.
14. Supervises the handling of a misfire, and instructs platoon personnel in actions to be taken in the event of malfunction, misfire, and stoppage on all weapons organic to the platoon.	14. Knows proper techniques for handling misfires; knows actions to be taken in the event of malfunction, misfire, and stoppage on all platoon weapons.	14. Is responsible for insuring that proper techniques and methods of operation are followed in the event of a misfire, malfunction, or stoppage.
15. Fires and qualifies with all small arms organic to the armored cavalry platoon.	15. Knows the proper techniques employed in aiming and firing all small arms organic to the armored cavalry platoon.	15. Is responsible for acquiring firing skill and for instructing platoon personnel in proper firing techniques on all small arms organic to the armored cavalry platoon.
16. Supervises and instructs platoon personnel on the characteristics, nomenclature, disassembly, assembly, care and cleaning, reduction of malfunctions, and inspection of all small arms organic to the armored cavalry platoon.	16. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, reduction of malfunctions, and inspection of all small arms organic to the armored cavalry platoon.	16. Is responsible for insuring that platoon personnel are thoroughly familiar with their weapons.
17. Mounts, dismounts, sights, positions, and fires the 4.2 mortar.	17. Knows the 4.2 mortar, including: characteristics, mounting, dismounting, M34 sight, sight setting, positions, ammunition, firing tables, and fire commands.	17. Is responsible for insuring that platoon personnel know how to fire the mortar mounted or dismounted.

Operations	Knowledge Factors	Responsibilities
18. Prepares firing charts, determines firing data, plots new data, and conducts the fire of the 4.2 mortar.	18. Knows how to prepare firing charts, determine firing data, plot new data, and conduct the fire of the 4.2 mortar.	18. Is responsible for insuring the effective employment of the 4.2 mortar, and for insuring that the fire is brought to bear quickly and accurately.
19. Commands and controls the employment and the fire of a mortar platoon.	19. Knows the principles of fire control and the conduct of platoon fire with the 4.2 mortar.	19. Is responsible for the effective employment of a mortar platoon.
20. Conducts small arms inspections.	20. Knows the methods and techniques of conducting small arms inspections.	20. Is responsible for the maintenance of all small arms found within the platoon.
21. Uses hand grenades as required; instructs platoon personnel in their use and handling, and in the safety precautions to be followed in using hand grenades.	21. Knows the types of hand grenades, and their particular value and use as a weapon.	21. Is responsible for training platoon personnel in the proper use of hand grenades and in the safety precautions to be taken in using them.
22. Uses binoculars to aid in reconnoitering areas, seeking out enemy targets, adjusting supporting fire, etc.	22. Knows the proper way to use binoculars; knows how to adjust artillery fire and compute data for the mil formula using the sight reticle in the binoculars.	22. Is responsible for insuring that platoon personnel use the binoculars correctly, and know how to adjust artillery fire and to compile data for the mil formula using the sight reticle in the binoculars.
23. Supervises the stowage of ammunition, and instructs platoon personnel in the types, characteristics, nomenclature, identification, marking, handling, and care of all ammunition carried in the platoon.	23. Knows the types, characteristics, nomenclature, identification, marking, care, handling, and stowage of ammunition carried in the platoon.	23. Is responsible for insuring that platoon personnel know types of ammunition and the actions required in selection, handling, stowage, and safety precautions.
24. Supervises and instructs platoon personnel in the maintenance of the main tank gun, the turret controls, and the aiming and sighting devices.	24. Knows maintenance of the main tank gun, the turret controls, and the aiming and sighting devices.	24. Is responsible for instructing platoon personnel on the care and maintenance of the main tank gun, the turret controls, and the aiming and sighting devices, and for insuring that all maintenance checks are performed as prescribed.
25. Supervises and assists in the care and cleaning of the main tank gun.	25. Knows the nomenclature, disassembly, assembly, care, and cleaning of the main tank gun.	25. Is responsible for insuring that platoon personnel take care of the main tank gun and are thoroughly familiar with it.
26. Supervises and assists in checking, bleeding, or filling the main tank gun recoil system.	26. Knows the procedures for checking, bleeding, or filling the main tank gun recoil system.	26. Is responsible for insuring that platoon personnel know how to check, bleed, or fill the main tank gun recoil system.

Platoon Leader and Platoon Sergeant

Operations	Knowledge Factors	Responsibilities
27. Conducts inspections on tank turrets.	27. Knows the required preventive maintenance checks and services on tank turrets.	27. Is responsible for conducting inspections, and for seeing that the preventive maintenance checks have been performed on tank turrets.
	28. Knows the tank armament controls and equipment for the light tank.	28. Is responsible for the platoon's knowledge of the tank armament controls and equipment for the light tank.
	29. Knows the general principles of tank hydraulic systems and common electrical circuits.	29. Is responsible for being familiar with tank hydraulic systems and common electrical circuits.

**COMBAT JOB REQUIREMENTS
FOR SCOUT SECTION LEADER (MOS 133.6)
AND SCOUT SQUAD LEADER (MOS 133.6)**

Operations	Knowledge Factors	Responsibilities
Job Duties: Automotive Subjects and Skills		
1. Inspects and evaluates the adequacy of scout section/scout squad maintenance.	1. Knows the first and second echelons of the Army System of Maintenance; knows maintenance inspections and inspecting procedures at section/squad level.	1. Is responsible for insuring that all maintenance checks are properly performed and that deficiencies are noted and properly communicated to the platoon leader and scout section leader.
2. Supervises and assists section/squad personnel in the use of forms and records, technical manuals, and lubrication orders used in performing maintenance services.	2. Knows the forms and records, technical manuals, and lubrication orders used in first and second echelon maintenance services at section/squad level.	2. Is responsible for insuring that correct maintenance procedures are followed and that correct publications and forms are being utilized.
	3. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at platoon level.	3. Is responsible for insuring that all platoon members are informed of the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at platoon level.
	4. Knows the proper driving practices, rules of the road, and operation under climatic extremes, for all troop vehicles.	4. Is responsible for insuring that platoon personnel operate their vehicles in the correct manner.
5. Organizes and sets up classes for a driver training program for section/squad vehicles.	5. Knows methods and procedures for organizing a driver training program for section/squad vehicles.	5. Is responsible for insuring that the driving program is set up and run correctly.
6. Conducts and supervises the daily maintenance services on section/squad vehicles.	6. Knows the driver maintenance services on section/squad vehicles.	6. Is responsible for insuring that driver maintenance procedures are performed as required.
7. Supervises and demonstrates the proper driving practices on section/squad vehicles.	7. Knows the general characteristics and performance capabilities, controls and instruments, proper driving practices, rules of the road, and operation under climatic extremes, for section/squad vehicles.	7. Is responsible for insuring that his drivers follow proper driving practices at all times.
8. Supervises and assists scout personnel in accomplishing maintenance services at section/squad level.	8. Knows the personnel, tools, and equipment used to accomplish maintenance services at section/squad level.	8. Is responsible for the proper utilization of personnel, tools, and equipment used to accomplish maintenance services at section/squad level.

Scout Section and Squad Leaders

Operations	Knowledge Factors	Responsibilities
	9. Knows the personnel, tools, and equipment used to accomplish maintenance services at troop level.	9. Is responsible for effective maintenance coordination between scout personnel and troop level maintenance personnel.
10. Supervises and assists in the employment of field expedients and vehicle recovery techniques dealing with section/squad vehicles.	10. Knows the field expedients and vehicle recovery techniques dealing with section/squad vehicles.	10. Is responsible for insuring that section/squad personnel utilize proper field expedients and vehicle recovery techniques.
11. Supervises and assists in the employment of field expedients and vehicle recovery techniques, utilizing tools and equipment found within the platoon and troop.	11. Knows field expedients and vehicle recovery techniques, utilizing tools and equipment found at platoon and troop levels.	11. Is responsible for the proper employment of field expedients and vehicle recovery techniques.
	12. Knows of recovery vehicles and equipment available at immediately supporting echelons such as troop and squadron.	12. Is responsible for obtaining the help of immediately supporting echelons as required.
13. Supervises and assists in the installation of infrared devices normally found on section/squad vehicles.	13. Knows how to install and use the infrared devices normally found on section/squad vehicles.	13. Is responsible for the proper installation and utilization of infrared devices normally found on section/squad vehicles.
	14. Knows the general characteristics and performance capabilities of track vehicles.	14. Is responsible for making evaluations which affect the movement and employment of the tank section.
	15. Knows field expedients and vehicle recovery techniques for track vehicles.	15. Is responsible for insuring that section/squad personnel aid in the recovery of track vehicles as required.
	16. Knows how to operate the standard types of personnel carriers and tanks.	16. Is responsible for insuring that section/squad personnel can drive the standard types of personnel carriers and tanks in an emergency.
17. Assists the scout section leader or the platoon leader in conducting the inspection and evaluation of the adequacy of platoon maintenance.	17. Knows inspection procedures and required standards of serviceability.	17. Is responsible for the detecting and correcting of deficiencies.

Job Duties: Armored Cavalry Employment

1. Knows the organization and mission of the armored cavalry platoon.	1. Is responsible for seeing that the section/squad functions as an integral part of the platoon.
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Operations	Knowledge Factors	Responsibilities
	2. Knows all types of armored cavalry operations.	2. Is responsible for seeing that the section/squad performs properly in all types of armored cavalry operations through troop level.
3. Commands and controls the section/squad in reconnaissance missions.	3. Knows the methods and techniques of employing the section/squad in reconnaissance missions.	3. Is responsible for the effective employment of the section/squad in reconnaissance missions.
4. Controls and employs the section/squad in an advance guard role.	4. Knows the methods and techniques of employing the section/squad in an advance guard role.	4. Is responsible for the effective employment of the section/squad in an advance guard role.
5. Commands and controls the section/squad in security missions.	5. Knows the methods and techniques of employing the section/squad in security missions.	5. Is responsible for the effective employment of the section/squad in security missions.
6. Commands and controls the section/squad in the occupation of a delaying position.	6. Knows how to employ the section/squad in the occupation of a delaying position.	6. Is responsible for the effective employment of the section/squad in the occupation of a delaying position.
7. Commands and controls the section/squad in a delaying action.	7. Knows how to employ the section/squad in a delaying action.	7. Is responsible for the effective employment of the section/squad in a delaying action.
8. Commands and controls the section/squad in retrograde movements.	8. Knows how to employ the section/squad in retrograde movements.	8. Is responsible for the effective employment of the section/squad in retrograde movements.
9. Commands and controls the section/squad in a defensive action.	9. Knows how to set up and employ the section/squad in a defensive action.	9. Is responsible for the effective employment of the section/squad in a defensive action.
10. Commands and controls the section/squad in a night attack.	10. Knows the methods and techniques of employing the section/squad in a night attack.	10. Is responsible for the effective employment of the section/squad in a night attack.
11. Establishes, commands, and conducts an ambush operation.	11. Knows how to establish and conduct an ambush operation.	11. Is responsible for establishing and carrying out an ambush operation.
12. Commands and controls the section/squad in amphibious operations.	12. Knows the employment of the section/squad in amphibious operations.	12. Is responsible for the effective employment of the section/squad in amphibious operations.
	13. Knows all types of combat formations for the platoon.	13. Is responsible for seeing that the section/squad is in the correct formation and position as required by the platoon leader.
14. Selects squad and section formations and methods of advance for the section/squad in combat situations.	14. Knows squad and section formations and methods of advance employed by the section/squad in combat.	14. Is responsible for selecting squad and section formations and methods of advance employed by the section/squad in combat.

Scout Section and Squad Leaders

Operations	Knowledge Factors	Responsibilities
15. Changes scout section formations rapidly as the situation demands.	15. Knows the commands and procedures for changing scout section formations rapidly.	15. Is responsible for employing the section/squad effectively.
16. Guides the section/squad through or around obstacles in a manner which will permit safe passage.	16. Knows typical obstacles encountered by the section/squad; knows ways to overcome these obstacles.	16. Is responsible for the employment of the proper ways and means of overcoming obstacles encountered by the section/squad.
17. Commands and controls the section/squad, taking advantage of knowledge about enemy, terrain, weather, and his own organization in accomplishing his assigned mission.	17. Knows the effects of the enemy, terrain, weather, and the operational status of the platoon on armored cavalry operations.	17. Is responsible for the effective use of all information in the accomplishment of his assigned mission.
	18. Knows the tactical employment of helicopter-borne armored cavalry teams.	18. Is responsible for the effective employment of section/squad personnel, as employed in helicopter-borne armored cavalry teams.
19. Commands and controls the section/squad in nuclear warfare, takes precautionary measures against the effects of nuclear explosions, and checks section/squad personnel for contamination.	19. Knows the employment of the section/squad in nuclear warfare; knows the nature and extent of nuclear explosions, and their effects on personnel and vehicles.	19. Is responsible for the proper employment of the section/squad in nuclear warfare, and for insuring that section/squad personnel are trained in passive defense against nuclear explosions.
20. Commands and controls the section/squad in CBR warfare, and takes precautionary measures to protect section/squad personnel against the effects of CBR agents.	20. Knows the employment of the section/squad in CBR warfare; knows the nature and extent of CBR agents, and their effects on personnel and vehicles.	20. Is responsible for proper employment of the section/squad in CBR warfare, and for insuring that section/squad personnel are trained in passive defense against CBR agents.
21. Prepares and issues all types of operations orders at section level.	21. Knows operations orders, including written, oral, fragmentary, and warning orders.	21. Is responsible for understanding and passing on information from operations orders to section/squad personnel, and for issuing clear, concise, and timely orders.
22. Prepares for and conducts armored marches at section/squad level.	22. Knows how to prepare for and conduct armored marches at section/squad level.	22. Is responsible for insuring that section/squad personnel prepare for and properly conduct armored marches.
23. Establishes and conducts the operation of listening and observation posts.	23. Knows how to set up and conduct the operation of listening and observation posts.	23. Is responsible for setting up and operating listening and observation posts.
24. Commands and controls mounted and dismounted patrols.	24. Knows the methods and techniques of operating mounted and dismounted patrols.	24. Is responsible for setting up and operating mounted and dismounted patrols as required.

Operations	Knowledge Factors	Responsibilities
25. Commands and conducts the establishment and employment of roadblocks.	25. Knows the methods and techniques employed in establishing roadblocks.	25. Is responsible for establishing roadblocks.
	26. Knows the capabilities of the 4.2-inch mortar.	26. Is responsible for the accurate placement of mortar fire when it is requested and adjusted by section/squad personnel.
27. Requests and adjusts 4.2 mortar fire.	27. Knows how to request and adjust 4.2 mortar fire.	27. Is responsible for requesting and adjusting mortar fire, and for insuring that section/squad personnel request and adjust mortar fire correctly.
28. Commands and controls the section/squad in the detection, collection, and reporting of combat information.	28. Knows the combat intelligence responsibility of the section/squad leader.	28. Is responsible for the collection of all combat information, and for reporting it to the scout section leader or platoon leader.
29. Commands and controls the section/squad in observing enemy operations, and reports strength and type of military operation.	29. Knows the basic characteristics of enemy organization, equipment, and combat methods.	29. Is responsible for the continuous observation and reporting of enemy activity or emplacements, and for the proper handling of prisoners of war and captured equipment.
30. Commands and controls the section/squad in the collection and reporting of combat information.	30. Knows the combat intelligence responsibilities of the section/squad leader.	30. Is responsible for the collection and reporting of all combat information.
31. Supervises and assists section/squad personnel in a manner which insures that security information is controlled on a need-to-know basis.	31. Knows how to safeguard military information; knows the various classifications of security materials, the basic safeguards, and the provisions of AR 380-5.	31. Is responsible for safeguarding all security materials and military information which the section/squad leader knows of, and for insuring that section/squad personnel also safeguard sensitive materials and information.
32. Supervises and assists section/squad personnel in applying counterintelligence measures.	32. Knows the methods and techniques of counterintelligence measures.	32. Is responsible for insuring that section/squad personnel apply counterintelligence measures effectively.
33. Fills out route reports in which he reports classification of routes.	33. Knows the methods and techniques of route classification.	33. Is responsible for the accurate filling out of route reports, the accurate classification of routes, and the reporting of information to the platoon leader or scout section leader.

Scout Section and Squad Leaders

Operations	Knowledge Factors	Responsibilities
34. Supervises and assists in making an engineer route reconnaissance.	34. Knows the methods and techniques of carrying out an engineer route reconnaissance.	34. Is responsible for effectively employing the section/squad in an engineer route reconnaissance.
35. Uses the methods and techniques of classifying bridges.	35. Knows the methods and techniques of classifying bridges.	35. Is responsible for classifying bridges, filling out bridge reports, and reporting the information to the scout section leader or platoon leader.
36. Uses military explosives and uses the demolition card.	36. Knows the fundamentals of military explosives and the use of the demolition card.	36. Is responsible for the effective use of military explosives.
37. Supervises and assists in the laying of minefields, and the breaching of minefields encountered by the scout section, and requests support as needed.	37. Knows the various types of mines and minefields, and the various methods of laying and breaching minefields.	37. Is responsible for laying, identifying, and breaching minefields.
38. Supervises and assists in the marking, recording, and reporting of minefields.	38. Knows the methods and techniques of marking, recording, and reporting minefields.	38. Is responsible for insuring that section/squad personnel mark, record, and report minefields.
39. Uses techniques for selecting and marking drop zones and landing sites for aerial resupply.	39. Knows the techniques for selecting and marking drop zones and landing sites for aerial resupply.	39. Is responsible for selecting and marking drop zones and landing sites for aerial resupply.
40. Requests and recovers supplies delivered by aerial means.	40. Knows how to request and recover supplies delivered by aerial means.	40. Is responsible for requesting and recovering supplies delivered by aerial means.
	41. Knows the classes of supply.	41. Is responsible for requesting supplies for the section/squad as required.
	42. Knows the methods of attack employed by the armored cavalry platoon.	42. Is responsible for carrying out the assigned section/squad mission in an attack by the platoon.
43. Commands and controls a base of fire during a platoon attack.	43. Knows how to employ a base of fire element during a platoon attack.	43. Is responsible for the effective employment of the base of fire during a platoon attack.
	44. Knows the conduct of defense by an armored cavalry platoon.	44. Is responsible for the effective employment of the section/squad as part of the platoon in a defensive action.
	45. Knows the employment of the armored cavalry platoon in security missions.	45. Is responsible for the effective employment of the section/squad as part of the platoon in security missions.

Operations	Knowledge Factors	Responsibilities
	46. Knows the purposes and various types of retrograde movements employed at the platoon level.	46. Is responsible for seeing that the section/squad is properly employed in the various types of retrograde movements employed at platoon level.
	47. Knows the role of the armored cavalry platoon in amphibious operations.	47. Is responsible for seeing that the section/squad performs properly in amphibious operations at platoon level.
	48. Knows the employment of the armored cavalry platoon in nuclear warfare.	48. Is responsible for seeing that the section/squad performs properly as part of the platoon in nuclear warfare.
	49. Knows the formations and methods of advance at platoon level.	49. Is responsible for complying with the orders of the platoon leader, and for the effective employment of the section/squad in the formations and methods of advance used by the platoon leader.
50. Commands and controls the maneuvering element in an attack at platoon level.	50. Knows the methods and techniques of employing the maneuvering element in an attack at platoon level.	50. Is responsible for the effective employment of the maneuvering element in an attack at platoon level.
	51. Knows march terms for armored marches at the platoon level.	51. Is responsible for seeing that the section/squad performs properly as part of the platoon on armored marches.
	52. Knows the organization and the capabilities of tank-infantry teams.	52. Is responsible for seeing that the section/squad supports tank-infantry teams properly as required.
53. Commands and controls a tank-infantry team attack at the section and squad levels.	53. Knows the employment of a tank-infantry team attack at the section and squad levels.	53. Is responsible for the effective employment of tank-infantry team attack at the section and squad levels.
	54. Knows the methods and techniques employed in platoon team attacks on prepared objectives.	54. Is responsible for the effective employment of the section/squad on prepared objectives.
	55. Knows how to formulate fire plans at platoon level.	55. Is responsible for submitting section/squad fire plans to the platoon leader.
	56. Knows the organization and mission of the armored cavalry troop.	56. Is responsible for coordinating with other units within the troop in the accomplishment of the troop mission.

Scout Section and Squad Leaders

Operations	Knowledge Factors	Responsibilities
	57. Knows of Army aviation missions which directly support armored cavalry operations.	57. Is responsible for requesting the support of Army aviation to aid in the accomplishment of the section/squad mission.
	58. Knows coordination and control techniques used by ground elements employing Army aircraft.	58. Is responsible for using the proper coordination and control techniques used by ground elements employing Army aircraft, and for insuring that section/squad personnel use the proper techniques.
	59. Knows the methods and techniques of air-ground operations.	59. Is responsible for using the correct methods and techniques of air-ground operations as required.
	60. Knows the characteristics, capabilities, and limitations of field artillery weapons and missiles commonly employed on the battlefield.	60. Is responsible for utilizing any supporting weapons to the utmost in the accomplishment of the scout section and platoon missions.
	61. Knows the supply, medical evacuation, and maintenance procedures used in providing support in offensive and defensive operations.	61. Is responsible for requesting support for the section/squad, as required, to aid in the accomplishment of the section mission.
	62. Knows the organization, equipment, and employment of engineers in their support of small reconnaissance units.	62. Is responsible for requesting engineer support as required.

Job Duties: Communication Subjects and Skills

1. Uses the phonetic alphabet as necessary.	1. Knows the phonetic alphabet; knows when it is used.	1. Is responsible for seeing that all scout section/squad personnel use the phonetic alphabet correctly.
2. Uses proper radiotelephone procedure, including prowords, corrections, relaying, etc.	2. Knows standard radiotelephone procedure, including prowords, corrections, relaying, etc.	2. Is responsible for seeing that section/squad personnel use correct radiotelephone procedure.
3. Uses proper scout section and platoon team communications procedures.	3. Knows scout section and platoon team communications procedures.	3. Is responsible for seeing that section/squad personnel use proper scout section and platoon team communications procedures.
4. Opens, closes, and enters radio nets.	4. Knows radio nets.	4. Is responsible for properly opening, closing, and entering radio nets.

Operations	Knowledge Factors	Responsibilities
5. Operates and performs user maintenance on the standard radios organic to the scout section in the armored cavalry platoon.	5. Knows the operation and maintenance of the standard radios organic to the scout section in the armored cavalry platoon.	5. Is responsible for seeing that section/squad personnel operate and maintain the radios organic to the scout section in the armored cavalry platoon.
	6. Knows the general characteristics and the numerical and frequency allocations of the standard series radio sets.	6. Is responsible for maintaining communications within the platoon and between the platoon and other elements, as required.
7. Supervises and assists in the employment of troubleshooting procedures and user field expedients on the standard series radios.	7. Knows troubleshooting procedures and user field expedients on the standard series radios.	7. Is responsible for proper functioning of section/squad radios at user level.
8. Installs and operates field wire equipment common to the scout section and the platoon, and performs user maintenance on this equipment.	8. Knows the installation, operation, and user maintenance of field wire equipment common to the scout section and the platoon.	8. Is responsible for proper installation, operation, and maintenance of field wire equipment used by the scout section and the platoon.
9. Inspects signal equipment found within the section/squad, and uses the appropriate maintenance forms.	9. Knows the procedures and techniques used in inspecting signal equipment within the section/squad; knows the appropriate maintenance forms.	9. Is responsible for inspecting signal equipment within the section/squad and for filling out the proper maintenance forms.
10. Formulates, transmits, and dispatches all messages as required at section level.	10. Knows how to formulate, transmit, and dispatch all messages as required at section level.	10. Is responsible for proper formulation, transmission, and dispatch of all messages required at section level.
11. Reads, interprets, and follows SOI extracts.	11. Knows the content, purpose, and use of SOI extracts, and the necessary safeguards.	11. Is responsible for insuring that section/squad personnel follow SOI extracts, and for the preservation of security within the scout section and the platoon.
12. Uses codes and ciphers as required.	12. Knows codes and ciphers.	12. Is responsible for using proper codes and ciphers in communication.
13. Employs authentication procedures and techniques as required.	13. Knows authentication procedures and techniques.	13. Is responsible for the authentication procedures within the section/squad.
14. Recognizes enemy jamming signals, and takes proper countermeasures against them.	14. Knows jamming procedures and countermeasures.	14. Is responsible for getting the message through enemy jamming.
15. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	15. Knows arm and hand, flag, flashlight, and panel signals.	15. Is responsible for proper execution and interpretation of signals by the section/squad.

Scout Section and Squad Leaders

Operations	Knowledge Factors	Responsibilities
	16. Knows communications and communications requirements in the armored cavalry platoon and troop.	16. Is responsible for employing proper use of the communication facilities within the platoon and troop.
	17. Knows radio nets up to and including the squadron net.	17. Is responsible for contacting and coordinating with higher headquarters as required.
	18. Knows communications and communications requirements in the armored cavalry at squadron level.	18. Is responsible for utilizing the correct communication channels in coordinating with high headquarters.
Job Duties: General Subjects		
1. Uses the techniques and methods of orienting conventional military maps, and uses the map scale in the measurement of distance.	1. Knows the techniques and methods of orienting conventional military maps; knows how to use the map scale in the measurement of distance.	1. Is responsible for orienting military maps properly, and for correctly using the map scale in the measurement of distance.
2. Interprets and uses the conventional signs and symbols appearing on military maps.	2. Knows the conventional signs and symbols used on military maps.	2. Is responsible for correctly interpreting signs and symbols used on military maps.
3. Uses maps to determine elevation and recognize ground forms from contour lines.	3. Knows how to use a map to determine elevation and recognize ground forms from contour lines.	3. Is responsible for correctly determining elevation and for recognizing ground forms from contour lines in using maps, to insure that the section/squad moves over the correct routes.
4. Uses the methods and techniques of intersection and resection in finding location with military maps.	4. Knows the methods and techniques of intersection and resection in using military maps.	4. Is responsible for knowing section/squad locations on the ground at all times.
5. Uses and interprets aerial and basic types of photographs.	5. Knows the techniques of interpreting aerial and basic types of photographs.	5. Is responsible for correctly interpreting aerial and basic types of photographs.
6. Uses the techniques for determining the map scale from photo maps.	6. Knows the techniques for determining the map scale from photo maps.	6. Is responsible for correctly determining the map scale from photo maps.
7. Uses the compass to determine location and indicate direction, during both day and night movements.	7. Knows the uses of the compass during day and night movements.	7. Is responsible for accurately leading the section/squad by compass during daylight and darkness.
8. Prepares legible sketch maps as required.	8. Knows map sketching techniques.	8. Is responsible for preparation of legible sketch maps.
9. Uses the various types of grid systems, and methods of expressing location by grid coordinates.	9. Knows the various types of grid systems; knows methods of expressing location by grid coordinates.	9. Is responsible for expressing location by use of grid coordinates.

Operations	Knowledge Factors	Responsibilities
	10. Knows the basic principles of terrain analysis.	10. Is responsible for the proper employment of the section/squad, utilizing the terrain to the greatest advantage.
	11. Knows the effects of climate and weather on terrain.	11. Is responsible for moving the section/squad vehicles over the most favorable terrain, taking into account the capabilities and limitations of the vehicles.
12. Uses the basic principles of first aid in handling all simple and compound fractures and in giving emergency aid to personnel who become casualties.	12. Knows the basic principles of first aid.	12. Is responsible for insuring that section/squad personnel know how to administer emergency first aid, and that anyone receiving a wound is given immediate and appropriate emergency aid.
13. Supervises and assists in the removal of casualties from vehicles, and reports the occurrence of a casualty.	13. Knows proper procedures for evacuating casualties from armored vehicles; knows how to report a casualty to the platoon leader.	13. Is responsible for instructing section/squad personnel in proper methods of removing casualties from armored vehicles, and for insuring that the removal is properly performed and reported.
	14. Knows the organization and function of the medical service in the troop.	14. Is responsible for requesting the aid of the medical service as required.
15. Instructs and supervises section/squad personnel in proper preventive health measures, both in garrison and in the field.	15. Knows practical measures for preservation of health and prevention of disease.	15. Is responsible for the health, and welfare of section/squad personnel at all times.
16. Maintains discipline, morale, and <u>esprit de corps</u> in the section/squad at all times.	16. Knows the traits and basic qualities of the leader; knows the principles and techniques of military leadership.	16. Is responsible for employment of methods and techniques to insure high morale, discipline, and <u>esprit de corps</u> in the section/squad.
17. Uses proper troop-leading procedures.	17. Knows the methods and techniques of proper troop-leading.	17. Is responsible for the welfare of his men, and sets an example to follow as leader of the section/squad.
18. Conducts dismounted drill.	18. Knows how to conduct dismounted drill.	18. Is responsible for instructing the section/squad on all platoon formations, and for the functioning of the scout section when it participates in platoon formations.
19. Presents oral instruction, utilizing practical work and demonstrations to illustrate the teaching principles; conducts critiques.	19. Knows the principles, methods, and techniques of teaching.	19. Is responsible for instructing the section/squad as required.

Scout Section and Squad Leaders

Operations	Knowledge Factors	Responsibilities
20. Prepares and conducts a small unit training program.	20. Knows the principles and procedures for preparing and conducting a small unit training program.	20. Is responsible for establishing a training program for the section/squad as required.
21. Prepares and directs small unit tactical training exercises.	21. Knows correct tactical employment of the section/squad, and the principles and procedures for preparing and conducting small unit tactical training exercises.	21. Is responsible for training the section/squad for combat, by preparing and conducting small unit type problems.
22. Supervises and conducts physical fitness classes.	22. Knows how to conduct physical fitness classes.	22. Is responsible for insuring that section/squad personnel can pass a normal and reasonable physical fitness test.
23. Supervises and assists in the camouflage of the section/squad as appropriate and necessary.	23. Knows the basic principles and techniques of camouflage.	23. Is responsible for insuring that section/squad personnel use the proper camouflage techniques.
24. Uses the bayonet and the techniques of unarmed defense.	24. Knows the techniques of using the bayonet; knows the techniques of unarmed defense.	24. Is responsible for insuring that section/squad personnel can utilize the bayonet and the techniques of unarmed defense.
25. Commands, controls, and instructs the section/squad in the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	25. Knows the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	25. Is responsible for insuring that section/squad personnel fully understand and apply the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.
	26. Knows the principles and fundamentals of military justice.	26. Is responsible for seeing that section/squad personnel are aware of the behavior expected under a military system, and of their rights under a military system.
27. Conducts inspections of the section/squad.	27. Knows the techniques and procedures of inspection.	27. Is responsible for insuring that the section/squad maintains the standards required by higher headquarters.
Job Duties: Gunnery, Weapons, and Materiel		
1. Senses and detects enemy targets.	1. Knows the techniques and methods of sensing and detecting enemy targets.	1. Is responsible for locating and taking enemy targets under fire.
2. Prepares and uses a range card.	2. Knows how to prepare and fire from a range card.	2. Is responsible for preparing range cards, firing from a range card, and coordinating fire of section/squad from range cards.

Operations	Knowledge Factors	Responsibilities
3. Uses the various methods of determining range; uses the mil formula and binoculars.	3. Knows the various methods of determining range, knows the mil formula, and knows how to use binoculars.	3. Is responsible for insuring that section/squad personnel know how to determine range and how to use the mil formula and binoculars.
4. Requests and adjusts artillery fire and utilizes observed fire procedures.	4. Knows how to request and adjust artillery fire and how to utilize observed fire procedures.	4. Is responsible for requesting and adjusting artillery fire and for utilizing observed fire procedures.
5. Fires and qualifies with the M-60 machine gun and caliber .50 machine gun.	5. Knows the proper aiming and firing techniques employed in firing the M-60 machine gun and caliber .50 machine gun.	5. Is responsible for acquiring firing skill and for instructing section/squad personnel in proper firing techniques on the M-60 machine gun and caliber .50 machine gun.
6. Supervises and assists in mounting, dismounting, and loading the M-60 machine gun and caliber .50 machine gun.	6. Knows how to mount, dismount, and load the M-60 machine gun and caliber .50 machine gun.	6. Is responsible for seeing that the M-60 machine gun and caliber .50 machine gun are mounted, dismounted, and loaded correctly by section/squad personnel.
7. Disassembles, assembles, and corrects malfunctions and clears stoppages on the M-60 machine gun and caliber .50 machine gun.	7. Knows the nomenclature, disassembly, assembly, malfunctions, stoppages, immediate action, and care and cleaning of the M-60 machine gun.	7. Is responsible for insuring that section/squad personnel know the nomenclature, disassembly, assembly, malfunctions, stoppages, immediate action, and care and cleaning of the M-60 machine gun and caliber .50 machine gun.
8. Fires and qualifies with the M-14 rifle.	8. Knows the proper aiming and firing techniques employed in firing the M-14 rifle.	8. Is responsible for acquiring firing skill, and for instructing section/squad personnel in proper firing techniques, on the M-14 rifle.
9. Disassembles, assembles, and corrects malfunctions and clears stoppages on the M-14 rifle.	9. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, and inspection of the M-14 rifle.	9. Is responsible for insuring that section/squad personnel know the characteristics, nomenclature, disassembly, assembly, care and cleaning, and inspection of the M-14 rifle.
10. Fires and qualifies with the M-79 grenade launcher.	10. Knows the proper aiming and firing techniques employed in firing the M-79 grenade launcher.	10. Is responsible for acquiring firing skill, and for instructing section/squad personnel in proper firing techniques, on the M-79 grenade launcher.
11. Disassembles, assembles, and corrects malfunctions on the M-79 grenade launcher.	11. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, and inspection of the M-79 grenade launcher.	11. Is responsible for insuring that section/squad personnel know the characteristics, nomenclature, disassembly, assembly, care and cleaning, and inspection of the M-79 grenade launcher.

Scout Section and Squad Leaders

Operations	Knowledge Factors	Responsibilities
*12. Fires, loads, sights, and aims the 3.5 rocket launcher. ¹	*12. Knows the proper aiming and firing techniques employed in firing the 3.5 rocket launcher.	*12. Is responsible for acquiring firing skill, and for instructing section/squad personnel in proper firing techniques, on the 3.5 rocket launcher.
13. Fires the caliber .45 pistol.	13. Knows the proper aiming and firing techniques employed in firing the caliber .45 pistol.	13. Is responsible for acquiring firing skill, and for instructing section/squad personnel in proper firing techniques, on the caliber .45 pistol.
14. Disassembles, assembles, corrects malfunctions, and clears stoppages on the caliber .45 pistol.	14. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, immediate action and malfunctions of the caliber .45 pistol.	14. Is responsible for insuring that section/squad personnel know the characteristics, nomenclature, disassembly, assembly, care and cleaning, immediate action, and malfunctions of the caliber .45 pistol.
15. Conducts small arms inspections.	15. Knows the techniques of conducting a small arms inspection.	15. Is responsible for insuring that all small arms within the section/squad are maintained properly and are in firing condition.
	16. Knows the characteristics, ammunition, and fire commands for the 4.2 mortar.	16. Is responsible for requesting the correct kind of mortar fire and for adjusting it.
	17. Knows the principles of fire control and the conduct of fire for the 4.2 mortar.	17. Is responsible for utilizing the supporting fire of the 4.2 mortar effectively.
18. Uses hand grenades.	18. Knows the various types of hand grenades and the particular value of each as a weapon.	18. Is responsible for the proper use of hand grenades by section/squad personnel.
19. Uses rifle grenades.	19. Knows the types of rifle grenades and the particular value of each as a weapon.	19. Is responsible for the proper use of rifle grenades by section/squad personnel.
20. Uses pyrotechnics.	20. Knows the methods and techniques of employing pyrotechnics.	20. Is responsible for the proper employment of pyrotechnics.
21. Uses mine detector equipment.	21. Knows how to operate mine detector equipment.	21. Is responsible for the proper employment of mine detector equipment.

¹The equipment specified in Item 12 is not listed in the TOE, but some units still have the equipment.

**COMBAT JOB REQUIREMENTS
FOR SCOUT OBSERVER (MOS 133.0), SCOUT DRIVER (MOS 133.1)
AND PLATOON LEADER'S DRIVER (MOS 133.1)**

Operations	Knowledge Factors	Responsibilities
Job Duties: Automotive Subjects and Skills		
1. Performs first echelon maintenance and assists in performing second echelon maintenance on the vehicles organic to the scout section.	1. Knows the first and second echelons of the Army System of Maintenance; knows the daily maintenance services on the vehicles organic to the scout section.	1. Is responsible for performing first echelon maintenance and for assisting in second echelon maintenance on the vehicles organic to the scout section.
*2. Uses the forms and records, technical manuals, and lubrication orders used in the first echelon maintenance services at the scout section level.	*2. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at the scout section level.	*2. Is responsible for seeing that all maintenance checks are properly performed and that all deficiencies are noted and properly communicated.
	*3. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at the platoon level.	*3. Is responsible for utilizing the correct publications, and for filling out the correct maintenance forms used in first echelon maintenance services at platoon level, as necessary.
*4. Drives the standard types of scout vehicles.	*4. Knows the general characteristics and performance capabilities of scout vehicles, including controls and instruments, proper driving practices, rules of the road, and operation under climatic extremes.	*4. Is responsible for using proper driving practices at all times.
5. Relieves the scout driver in driving, as necessary.	5. Knows the general characteristics and performance capabilities of scout vehicles, including controls and instruments, proper driving practices, rules of the road, and operation under climatic extremes.	5. Is responsible for using proper driving practices at all times.
6. Assists maintenance personnel, and uses the tools and equipment to accomplish maintenance services at the scout section and platoon levels.	6. Knows the personnel, tools, and equipment used to accomplish maintenance services at scout section and platoon levels.	6. Is responsible for assisting maintenance personnel in accomplishing their duties, and for properly utilizing the tools and equipment used in performing the maintenance.
7. Performs field expedients and vehicle recovery techniques on scout vehicles, using the tools and equipment available at scout section and platoon levels.	7. Knows field expedients and vehicle recovery techniques used on scout vehicles; knows the tools and equipment available at scout section and platoon levels to accomplish these tasks.	7. Is responsible for utilizing correct field expedients and vehicle recovery techniques on scout vehicles, and for properly using the tools and equipment available at scout section and platoon levels to accomplish these tasks.

*Skills 2, 3, and 4 do not apply to the Scout Observer.

Scout Observer and Driver, Platoon Leader's Driver

Operations	Knowledge Factors	Responsibilities
8. Uses the infrared devices normally found on scout vehicles as required.	8. Knows how to use the infrared devices normally found on scout vehicles; knows how to install and maintain the devices.	8. Is responsible for installing, maintaining, and using the infrared devices normally found on scout vehicles.

Job Duties: Armored Cavalry Employment

	1. Knows the organization and mission of the armored cavalry platoon.	
	2. Knows the conduct and employment of the scout section in security missions.	
	3. Knows the conduct and employment of the scout section in the advance guard.	
	4. Knows the methods and techniques used by the scout squad in conducting a defensive action.	
	5. Knows the various types of retrograde movements employed by the scout section.	
	6. Knows how the scout section prepares for and conducts a night attack.	
	7. Knows the conduct and employment of the scout section in reconnaissance missions.	
	8. Knows the methods and techniques employed in establishing blocking positions.	
	9. Knows the techniques of carrying out an ambush.	
	10. Knows the methods employed during the conduct of mounted patrols.	
	11. Knows the methods and techniques employed by dismounted patrols.	
12. Establishes and conducts listening and observation posts.	12. Knows how to establish and conduct listening and observation posts.	12. Is responsible for establishing and conducting listening and observation posts.

Operations	Knowledge Factors	Responsibilities
13. Changes quickly from one formation to another, utilizing the required methods and techniques.	13. Knows all types of combat formations and methods of advance for the scout section.	13. Is responsible for maintaining the correct vehicle position for any type of combat formation the scout section may use.
14. Assists in the establishment of roadblocks.	14. Knows the methods and techniques employed in establishing roadblocks.	14. Is responsible for using the proper methods and techniques employed in establishing roadblocks.
15. Uses the basic protective measures before and after nuclear and thermonuclear explosions, to protect himself and equipment, and checks himself and equipment for contamination.	15. Knows the basic protective measures to employ before and after nuclear and thermonuclear explosions; knows the nature and extent of nuclear explosions and their effects on personnel and vehicles.	15. Is responsible for employing the basic protective measures before and after nuclear or thermonuclear explosions, and for making a passive defense against nuclear explosions.
16. Assists in laying minefields and in breaching minefields encountered by the scout section.	16. Knows the various types of mines and minefields, and the various methods for laying and breaching minefields.	16. Is responsible for laying, identifying, and breaching minefields.
17. Observes, collects, and reports combat information accurately.	17. Knows the methods and procedures for observing, collecting, and reporting combat information.	17. Is responsible for the collection and reporting of all combat information.
	18. Knows how to safeguard military information; knows the various classifications of security materials, the basic safeguards, and the provisions of AR 380-5.	18. Is responsible for safeguarding all security materials and military information of which he has knowledge, and for insuring that squad members also safeguard sensitive materials and information.

Job Duties: Communication Subjects and Skills

	1. Knows the standard series radio sets, including general characteristics, numerical and frequency allocations, and retransmission facilities.	
2. Uses the phonetic alphabet as necessary.	2. Knows the phonetic alphabet; knows when it is used.	2. Is responsible for using the phonetic alphabet as required.
3. Uses proper radiotelephone procedure.	3. Knows standard radiotelephone procedure, including prowords, corrections, relaying, etc.	3. Is responsible for using proper radiotelephone procedure.
4. Opens, closes, and enters radio nets.	4. Knows radio nets.	4. Is responsible for properly opening, closing, and entering radio nets.
5. Uses and maintains the radios organic to the scout section/squad of the armored cavalry platoon.	5. Knows the characteristics, operational techniques, and user maintenance of the radios organic to the scout section/squad of the armored cavalry platoon.	5. Is responsible for properly operating and maintaining the radios organic to the scout section/squad of the armored cavalry platoon.

Scout Observer and Driver, Platoon Leader's Driver

Operations	Knowledge Factors	Responsibilities
*6. Uses and maintains the standard radio assigned to the platoon leader of the armored cavalry platoon. ¹	*6. Knows the characteristics, operational techniques, and user maintenance of the standard radio assigned to the platoon leader of the armored cavalry platoon.	*6. Is responsible for properly operating and maintaining the standard radio assigned to the platoon leader of the armored cavalry platoon.
7. Formulates, transmits, and dispatches all messages as required.	7. Knows how to formulate, transmit, and dispatch all messages as required.	7. Is responsible for proper formulation, transmission, and dispatch of all messages as required.
8. Reads, interprets, and follows SOI extracts.	8. Knows the content, purpose, and use of SOI extracts, and the necessary safeguards.	8. Is responsible for following SOI extracts, and for preserving the security information contained in them.
9. Employs authentication procedures and techniques as required.	9. Knows authentication procedures and techniques.	9. Is responsible for using the proper authentication procedures and techniques.
	10. Knows codes and ciphers employed by small tactical units.	
11. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	11. Knows arm and hand, flag, flashlight, and panel signals.	11. Is responsible for proper execution and interpretation of signals.
	12. Knows communications and the communications requirements of the armored cavalry platoon.	

Job Duties : General Subjects

1. Uses the correct techniques and methods to orient conventional military maps and uses the map scale in the measurement of distance.	1. Knows the techniques and methods of orienting conventional military maps; knows how to use the map scale in the measurement of distance.	1. Is responsible for orienting military maps properly, and for correctly using the map scale in the measurement of distance.
2. Interprets and uses the conventional signs and symbols which appear on military maps.	2. Knows the conventional signs and symbols used on military maps.	2. Is responsible for correctly interpreting signs and symbols used on military maps.
3. Uses maps to determine elevation and recognize ground forms from contour lines.	3. Knows how to use a map to determine elevation and recognize ground forms from contour lines.	3. Is responsible for correctly determining elevation and for recognizing ground forms from contour lines in using maps.
4. Uses the compass to determine location and indicate direction during both day and night movements.	4. Knows the uses of the compass during day and night movements.	4. Is responsible for knowing how to determine location and indicate direction with the compass, during both day and night movements.

¹Skill 6 applies only to the Platoon Leader's Driver.

Operations	Knowledge Factors	Responsibilities
5. Uses the various types of grid systems and the methods of expressing location by grid coordinates.	5. Knows the various types of grid systems and the methods of expressing location by grid coordinates.	5. Is responsible for expressing location by the use of grid coordinates.
6. Uses the methods and techniques of intersection and resection in finding location with military maps.	6. Knows the methods and techniques of intersection and resection in using military maps.	6. Is responsible for finding his location on military maps by the use of intersection and resection.
7. Uses the basic principles of first aid in giving emergency treatment to personnel who become casualties.	7. Knows emergency aid procedures.	7. Is responsible for knowing how to administer emergency aid, and for insuring that anyone who receives a wound is given immediate and appropriate emergency aid.
8. Uses practical field measures for the preservation of health and prevention of disease.	8. Knows practical measures for the preservation of health and prevention of disease.	8. Is responsible for utilizing the proper procedures to maintain his health and personal hygiene, in garrison and in the field.
9. Assists in the removal of casualties from vehicles, and reports the occurrence of a casualty.	9. Knows proper procedures for evacuating casualties from vehicles and for reporting a casualty.	9. Is responsible for using the proper procedures in the removal of casualties from vehicles, and for insuring that a casualty is reported properly.
10. Uses the bayonet and the techniques of unarmed defense as necessary.	10. Knows how to use the bayonet; knows the techniques of unarmed defense.	10. Is responsible for knowing how to fight with the bayonet, and for properly using the techniques of unarmed defense, as necessary.
11. Assists in the camouflage of the scout section or squad as appropriate and necessary.	11. Knows the basic principles and techniques of camouflage.	11. Is responsible for using the proper camouflage techniques.
12. Uses military explosives.	12. Knows the fundamentals of military explosives and the use of the demolition card.	12. Is responsible for correctly using military explosives and the demolition card.
	13. Knows the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	13. Is responsible for fully understanding and applying the principles of the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.
	14. Knows the basic principles of terrain analysis.	
	15. Knows the effects of climate and weather on terrain.	

Operations	Knowledge Factors	Responsibilities
Job Duties: Gunnery, Weapons, and Materiel		
1. Senses and detects enemy targets.	1. Knows the techniques and methods of sensing and detecting enemy targets.	1. Is responsible for locating and taking enemy targets under fire.
2. Uses the various methods of determining range; uses the mil formula and binoculars.	2. Knows the various methods of determining range, knows the mil formula, and knows how to use binoculars.	2. Is responsible for estimating range correctly and for using the mil formula and binoculars.
3. Prepares and uses a range card.	3. Knows how to prepare and fire from a range card.	3. Is responsible for preparing range cards and for firing from a range card.
4. Requests and adjusts artillery and mortar fire and utilizes observed fire procedures.	4. Knows how to request and adjust artillery and mortar fire; knows how to utilize observed fire procedures.	4. Is responsible for requesting and adjusting artillery and mortar fire, and for relaying correct target data and range and deflection changes to insure coverage of the target area.
5. Fires and qualifies with the M-14 rifle.	5. Knows the proper aiming and firing techniques employed in firing the M-14 rifle.	5. Is responsible for acquiring firing skill with the M-14 rifle.
6. Disassembles, assembles, and corrects malfunctions and clears stoppages on the M-14 rifle.	6. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, and inspection of the M-14 rifle.	6. Is responsible for acquiring the knowledge and skill to maintain and fire the M-14 rifle.
7. Fires and qualifies with the M-60 machine gun and the caliber .50 machine gun.	7. Knows the proper aiming and firing techniques employed in firing the M-60 machine gun and the caliber .50 machine gun.	7. Is responsible for acquiring firing skill with the M-60 machine gun and the caliber .50 machine gun.
8. Mounts, dismounts, and loads the M-60 machine gun and the caliber .50 machine gun.	8. Knows how to mount, dismount, and load the M-60 machine gun and the caliber .50 machine gun.	8. Is responsible for mounting, dismounting, and loading the M-60 machine gun and the caliber .50 machine gun.
9. Disassembles, assembles, and corrects malfunctions and clears stoppages on the M-60 machine gun and the caliber .50 machine gun.	9. Knows the nomenclature, disassembly, assembly, malfunctions, stoppages, immediate action, and care and cleaning of the M-60 machine gun and the caliber .50 machine gun.	9. Is responsible for acquiring the knowledge and skill to maintain and fire the M-60 machine gun and the caliber .50 machine gun.
10. Fires and qualifies with the M-79 grenade launcher.	10. Knows the proper aiming and firing techniques employed in firing the M-79 grenade launcher.	10. Is responsible for acquiring firing skill with the M-79 grenade launcher.
11. Disassembles, assembles, and corrects malfunctions on the M-79 grenade launcher.	11. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, and inspection of the M-79 grenade launcher.	11. Is responsible for maintaining and firing the M-79, as required.

Operations	Knowledge Factors	Responsibilities
*12. Fires, loads, sights, and aims the 3.5 rocket launcher. ¹	*12. Knows the proper aiming and firing techniques employed in firing the M-79 grenade launcher.	*12. Is responsible for acquiring firing skill with the 3.5 rocket launcher.
13. Uses rifle grenades and hand grenades as required.	13. Knows the types of rifle grenades and hand grenades, and the particular value and use of each as a weapon.	13. Is responsible for the proper use of rifle and hand grenades, and the safety precautions required in using them.
14. Uses mine detector equipment.	14. Knows the characteristics and functions of mine detector equipment organic to the reconnaissance platoon.	14. Is responsible for using correct methods and techniques in employing mine detector equipment.
	15. Knows the standard mines normally issued to armored cavalry units; knows the employment of them.	
	16. Knows the standard demolitions issued to reconnaissance units; knows the use of demolitions.	

¹The equipment specified in Item 12 is not listed in the TOE, but some units still have the equipment.

**COMBAT JOB REQUIREMENTS
FOR TANK SECTION LEADER (MOS 131.7)¹**

Operations	Knowledge Factors	Responsibilities
Job Duties: Armored Cavalry Employment		
	1. Knows the organization and mission of the armored cavalry platoon.	
2. Commands and controls the tank section in all types of armored cavalry operations.	2. Knows how to employ the tank section in all types of armored cavalry operations.	2. Is responsible for the effective employment of the tank section in all types of armored cavalry operations.
3. Commands and controls the tank section during all platoon security missions.	3. Knows how to employ the tank section during all platoon security missions.	3. Is responsible for the effective employment of the tank section during all platoon security missions.
4. Commands and controls the tank section in offensive operations.	4. Knows how to employ the tank section in the conduct of offensive operations.	4. Is responsible for the effective employment of the tank section in the conduct of offensive operations.
5. Commands and controls the tank section in the conduct of defense.	5. Knows how to employ the tank section in the conduct of defense.	5. Is responsible for the effective employment of the tank section in the conduct of defense.
6. Commands and controls the tank section in a night attack.	6. Knows how to employ the tank section in a night attack.	6. Is responsible for the effective employment of the tank section in a night attack.
7. Commands and controls the tank section in a delaying action, and conducts a withdrawal of the tank section.	7. Knows how to employ the tank section in a delaying action; knows the methods and techniques of conducting a withdrawal of the tank section.	7. Is responsible for the effective employment of the tank section in a delaying action, and for the effective withdrawal of the tank section.
8. Commands and selects the formations and methods of advance for the tank section in combat situations.	8. Knows the formations and methods of advance for the tank section in combat.	8. Is responsible for selecting and using the proper formations and methods of advance for the tank section.
9. Issues the commands to change from one combat formation to another.	9. Knows the proper commands to change from one formation to another; knows how to change formations quickly.	9. Is responsible for issuing the proper commands to change formations, and for insuring that the personnel react quickly in changing formations.
10. Prepares and conducts the tank section on marches.	10. Knows the march terms for conducting marches; knows the preparation and conduct of marches.	10. Is responsible for the proper conduct of marches with the tank section.

¹These lists of requirements for tank crewmen include only duties and skills pertaining to armored cavalry employment. Other requirements for crewmen are listed in HumRRO Technical Report 47.

Operations	Knowledge Factors	Responsibilities
11. Organizes and prepares a tank-infantry team for an attack.	11. Knows the methods and techniques of organizing a tank-infantry team for an attack.	11. Is responsible for the proper organization and preparation of a tank-infantry team for an attack.
12. Commands and controls a tank-infantry team in the attack at squad and section levels.	12. Knows how to employ a tank-infantry team in the attack at squad and section levels.	12. Is responsible for the effective employment of a tank-infantry team attack at squad and section levels.
13. Classifies routes and bridges, using the proper methods and techniques in doing so.	13. Knows the methods and techniques of classifying routes and bridges.	13. Is responsible for classifying routes and bridges correctly.
14. Makes an engineer route reconnaissance, using the proper methods and techniques in doing so.	14. Knows the methods and techniques of making an engineer route reconnaissance.	14. Is responsible for using the proper methods and techniques in making an engineer route reconnaissance.
	15. Knows the employment of the armored cavalry platoon in reconnaissance missions.	
	16. Knows the employment of the armored cavalry platoon in all security missions.	
	17. Knows all types of combat formations for the platoon.	
	18. Knows the formations and the methods of advance at platoon level.	
	19. Knows the purposes and various types of armored cavalry retrograde movements at platoon level.	
	20. Knows the conduct of defense by the platoon.	
	21. Knows the conduct of a night attack by the platoon.	
	22. Knows the influence of the enemy, terrain, and weather on armored cavalry operations.	

Job Duties: General Subjects

	1. Knows the duties and responsibilities of the tank section leader.	
2. Prepares and conducts a small unit training program for the tank section.	2. Knows how to prepare and conduct a small unit training program for the tank section.	2. Is responsible for preparing and conducting a small unit training program for the tank section.

Tank Section Leader

Operations	Knowledge Factors	Responsibilities
3. Prepares training schedules for the tank section.	3. Knows how to prepare training schedules for the tank section.	3. Is responsible for preparing training schedules for the tank section.
4. Prepares and executes small unit tactical training field exercises for the tank section.	4. Knows how to prepare and execute small unit tactical training field exercises for the tank section.	4. Is responsible for preparing and carrying out small unit tactical training field exercises for the tank section.
5. Inspects the tank section periodically.	5. Knows the principles, techniques, and mechanics of preparing for and conducting a command inspection for the tank section.	5. Is responsible for conducting periodic inspections of the tank section.

**COMBAT JOB REQUIREMENTS
FOR TANK COMMANDER (MOS 131.6)¹**

Operations	Knowledge Factors	Responsibilities
Job Duties: Armored Cavalry Employment		
	1. Knows the organization and mission of the armored cavalry platoon.	
	2. Knows all types of armored cavalry operations.	
	3. Knows the employment of the tank section in all platoon security missions.	
	4. Knows preparations required for a night attack to be made by the tank section.	
	5. Knows how to conduct a night attack made by a tank section.	
	6. Knows the conduct of defense by the tank section.	
	7. Knows all types of combat formations for the tank section.	
	8. Knows the formations and methods of advance in combat situations for the tank section, and knows how to change quickly from one formation to another.	
	9. Knows the march terms for armored cavalry marches at tank section level.	
10. Assists in classifying routes and bridges.	10. Knows the methods and techniques of classifying routes and bridges.	10. Is responsible for correctly classifying routes and bridges.
11. Assists in making an engineer route reconnaissance.	11. Knows the methods and techniques of making an engineer route reconnaissance.	11. Is responsible for knowing how to make an engineer route reconnaissance.
	12. Knows the employment of the armored cavalry platoon in reconnaissance missions.	
	13. Knows the employment of the armored cavalry platoon in security missions.	

¹This list of job requirements includes only duties and skills pertaining to armored cavalry employment. Other duties and skills for the tank section leader (platoon sergeant) are listed in HUMRRO Technical Report 69.

Tank Commander

Operations	Knowledge Factors	Responsibilities
	14. Knows the conduct of defense at platoon level.	
	15. Knows the purposes and various types of retrograde movements at platoon level.	
	16. Knows the formations and the methods of advance for the platoon.	
	17. Knows the preparations required for a night attack to be made by a platoon.	
	18. Knows all types of combat formations for the platoon.	
	19. Knows the march terms for armored cavalry marches at platoon level.	
	20. Knows the influence of the enemy, terrain, and weather on armored cavalry operations.	

Job Duties: General Subjects

	1. Knows the duties and responsibilities of tank section leader and assistant tank section leader.	
2. Commands and controls the tank section in an emergency.	2. Knows how to command and control the tank section.	2. Is responsible for taking over the tank section and employing it effectively in an emergency.

**COMBAT JOB REQUIREMENTS
FOR TANK GUNNER (MOS 131.2)**

Operations	Knowledge Factors	Responsibilities
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Job Duties: Armored Cavalry Employment

1. Knows the organization and mission of the armored cavalry platoon.
2. Knows the conduct of defense by the tank section
3. Knows the preparation required for a night attack to be made by the tank section.
4. Knows the formations and methods of advance for the tank section.

**COMBAT JOB REQUIREMENTS
FOR TANK LOADER (MOS 131.0)**

Operations	Knowledge Factors	Responsibilities
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Job Duties: Armored Cavalry Employment

1. Knows the organization and mission of the armored cavalry platoon.
2. Knows the conduct of defense by the tank section.

**COMBAT JOB REQUIREMENTS
FOR TANK DRIVER (MOS 131.1)**

Operations	Knowledge Factors	Responsibilities
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Job Duties: Armored Cavalry Employment

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| | 1. Knows the organization and mission of the armored cavalry platoon. | |
| | 2. Knows the conduct of defense by the tank section. | |
| | 3. Knows the preparations required for a night attack to be made by the tank section and platoon. | |
| 4. Drives the tank in its proper position in all formations. | 4. Knows all types of formations and methods of advance for the tank section. | 4. Is responsible for maintaining the correct position in all formations, and for changing from one formation to another correctly. |
| | 5. Knows all types of combat formations and methods of advance for the platoon. | |
| | 6. Knows the influence of the enemy, terrain, and weather on armored cavalry operations. | |

**COMBAT JOB REQUIREMENTS
FOR RIFLE SQUAD LEADER (MOS 111.6)
AND RIFLE SQUAD FIRE TEAM LEADER (MOS 111.6)**

Operations	Knowledge Factors	Responsibilities
Job Duties: Automotive Subjects and Skills		
1. Inspects and evaluates the adequacy of rifle squad/fire team maintenance.	1. Knows the first and second echelons of the Army System of Maintenance; knows maintenance inspections and inspection procedures at rifle squad level.	1. Is responsible for insuring that maintenance checks are properly performed, and that deficiencies are noted and properly communicated to the platoon leader/rifle squad leader.
2. Supervises and assists rifle squad/fire team personnel in the use of forms and records, technical manuals, and lubricating orders used in performing maintenance services.	2. Knows the forms and records, technical manuals, and lubrication orders used in first and second echelon maintenance services at squad level.	2. Is responsible for insuring that correct maintenance procedures are followed and that correct publications and forms are utilized.
3. Supervises and assists rifle squad personnel in accomplishing maintenance services at squad level.	3. Knows the personnel, tools, and equipment used to accomplish maintenance services at squad level.	3. Is responsible for the proper utilization of personnel, tools, and equipment used to accomplish maintenance services at squad level.
	4. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at platoon level.	
	5. Knows the personnel, tools, and equipment used to accomplish maintenance services at troop level.	5. Is responsible for coordination between rifle squad personnel and troop level maintenance personnel.
6. Conducts and supervises daily maintenance services on the armored personnel carrier.	6. Knows driver maintenance services on the APC.	6. Is responsible for insuring that driver maintenance services are performed as required.
	7. Knows the proper driving practices, rules of the road, and operation under climatic extremes, for all troop vehicles.	7. Is responsible for insuring that platoon personnel operate their vehicles in the correct manner.
8. Supervises and demonstrates the proper driving practices on the armored personnel carrier.	8. Knows the general characteristics and performance capabilities, controls and instruments, proper driving practices, rules of the road, and operation under climatic extremes, for the APC.	8. Is responsible for insuring that his driver follows proper driving practices at all times.

Operations	Knowledge Factors	Responsibilities
9. Organizes and sets up classes for a driver training program for the armored personnel carrier.	9. Knows the methods and procedures for organizing a driver training program for the APC.	9. Is responsible for insuring that the driving program is set up and run correctly.
10. Supervises and assists in the use of field expedients and vehicle recovery techniques dealing with the armored personnel carrier.	10. Knows the field expedients and vehicle recovery techniques dealing with the APC.	10. Is responsible for insuring that rifle squad/fire team personnel utilize proper field expedients and vehicle recovery techniques on the APC.
11. Supervises and assists in the use of field expedients and vehicle recovery techniques, utilizing tools and equipment found within the platoon and troop.	11. Knows field expedients and vehicle recovery techniques, utilizing tools and equipment found at platoon and troop level.	11. Is responsible for the proper employment of field expedients and vehicle recovery procedures.
	12. Knows the general characteristics and performance capabilities of track vehicles.	
	13. Knows of recovery vehicles and equipment available at immediately supporting echelons such as troop and squadron.	13. Is responsible for obtaining the help of immediately supporting echelons as required.
	14. Knows field expedients and vehicle recovery techniques for other track vehicles besides the armored personnel carrier.	14. Is responsible for insuring that squad/team personnel aid in the recovery of track vehicles as required.
15. Supervises and assists in the installation of infrared devices normally found on the armored personnel carrier.	15. Knows how to install and use the infrared devices found on the APC.	15. Is responsible for the proper installation and utilization of infrared devices on the APC.
16. Assists the platoon leader in conducting the inspection and evaluation of the adequacy of platoon maintenance.	16. Knows inspection procedures and required standards of serviceability.	16. Is responsible for the detecting and correcting of deficiencies.

Job Duties: Armored Cavalry Employment

	1. Knows the organization and mission of the armored cavalry platoon.	
	2. Knows the organization and capabilities of the armored cavalry rifle squad.	
3. Commands and controls the rifle squad/fire team in all types of reconnaissance missions.	3. Knows how to employ the squad/team in reconnaissance missions.	3. Is responsible for the effective employment of the squad/team in reconnaissance missions.
4. Commands and controls the squad/team in all types of security missions.	4. Knows how to employ the squad/team in security missions.	4. Is responsible for the effective employment of the squad/team in security missions.

Rifle Squad and Fire Team Leaders

Operations	Knowledge Factors	Responsibilities
5. Commands and controls the squad/team in a defensive action.	5. Knows how to employ the squad/team in a defensive action.	5. Is responsible for the effective employment of the squad/team in a defensive action.
6. Selects and reconnoiters positions for the squad/team in a defensive position.	6. Knows how to select and reconnoiter positions for the squad/team in a defensive position.	6. Is responsible for selecting and reconnoitering positions for the squad/team.
7. Commands and controls the squad/team in a delaying action.	7. Knows how to employ the squad/team in a delaying action.	7. Is responsible for the effective employment of the squad/team in a delaying action.
8. Commands and controls the squad/team in the conduct of a night attack.	8. Knows how to employ the squad/team in the conduct of a night attack.	8. Is responsible for the effective employment of the squad/team in a night attack.
9. Commands and controls the squad/team in a reconnaissance behind enemy lines.	9. Knows how to employ the squad/team in a reconnaissance behind enemy lines.	9. Is responsible for the effective employment of the squad/team in a reconnaissance behind enemy lines.
10. Commands and controls the squad/team in the establishment of blocking positions and roadblocks.	10. Knows how to employ the squad/team in the establishment of blocking positions and roadblocks.	10. Is responsible for the effective employment of the squad/team in the establishment of blocking positions and roadblocks.
	11. Knows the tactical employment of helicopter-borne armored cavalry teams.	
12. Commands and controls the squad/team in damage control operations.	12. Knows how to employ the squad/team in damage control operations.	12. Is responsible for the effective employment of the squad/team in damage control operations.
13. Commands and controls the squad/team in airmobile operations.	13. Knows the employment of the squad/team in airmobile operations.	13. Is responsible for the effective employment of the squad/team in airmobile operations.
14. Commands and controls the squad/team in amphibious operations.	14. Knows how to employ the squad/team in amphibious operations.	14. Is responsible for the effective employment of the squad/team in amphibious operations.
15. Supervises and assists personnel in preparing and utilizing the armored personnel carrier in crossing streams and rivers.	15. Knows how to prepare and utilize the APC in crossing streams and rivers.	15. Is responsible for insuring that the proper methods and techniques are utilized in crossing streams and rivers with the APC.
16. Commands and controls the squad/team as part of a combined arms team (scramble).	16. Knows how to employ the squad/team as part of a combined arms team (scramble).	16. Is responsible for the effective employment of the squad/team in a combined arms team (scramble).
	17. Knows the organization and capabilities of tank-infantry teams.	

Operations	Knowledge Factors	Responsibilities
	18. Knows the methods of attack employed by tanks and armored infantry at section and squad level.	
19. Commands and controls a tank-infantry team in the attack at infantry squad/fire team level.	19. Knows the employment of tank-infantry teams in the attack at infantry squad/fire team level.	19. Is responsible for the effective employment of tank-infantry teams in the attack at infantry squad/fire team level.
20. Commands and controls the rifle squad/fire team in the conduct of dismounted patrols during daylight and at night.	20. Knows how to employ the rifle squad/fire team in the conduct of dismounted patrols during daylight and at night.	20. Is responsible for the effective employment of the rifle squad/fire team in the conduct of dismounted patrols during daylight and at night.
21. Commands and controls the squad/team in nuclear warfare, takes precautionary measures against the effects of nuclear explosions, and checks the squad/team for contamination.	21. Knows the employment of the squad/team in nuclear warfare, and knows the nature and extent of nuclear explosions and their effects on personnel and vehicles.	21. Is responsible for the proper employment of the squad/team in nuclear warfare, and for insuring that squad personnel are trained in passive defense against nuclear explosions.
22. Commands and controls the squad/team in CBR warfare, and takes precautionary measures to protect the squad/team against the effects of CBR agents.	22. Knows the employment of the squad/team in CBR warfare, and knows the nature and extent of CBR agents and their effects on personnel and vehicles.	22. Is responsible for proper employment of the squad/team in CBR warfare, and for insuring that squad personnel are trained in passive defense against CBR agents.
23. Commands and controls the squad/team in CBR monitoring and CBR surveys.	23. Knows how to conduct CBR monitoring and CBR surveys.	23. Is responsible for conducting CBR monitoring and CBR surveys properly.
24. Commands and controls the squad/team on armored cavalry marches.	24. Knows the march terms; knows the conduct of armored cavalry marches.	24. Is responsible for the proper conduct of the squad on armored cavalry marches as required.
	25. Knows all types of combat formations for the squad/team.	
26. Selects the formations and methods of advance for the squad/team.	26. Knows the formations and methods of advance for the squad/team.	26. Is responsible for selecting the correct formation and method of advance, as required by the situation.
27. Guides the squad/team through or around obstacles in a manner which insures safe passage.	27. Knows typical obstacles encountered by armored cavalry units.	27. Is responsible for the employment of proper ways to overcome obstacles encountered by the squad/team.
28. Prepares and issues operations orders at squad/team level.	28. Knows operations orders, including written, oral, fragmentary, and warning orders.	28. Is responsible for issuing clear, concise, timely orders.

Rifle Squad and Fire Team Leaders

Operations	Knowledge Factors	Responsibilities
29. Supervises and assists in laying minefields, and in breaching minefields encountered by the squad/team, and requests support as required.	29. Knows the various types of mines and minefields, and the various methods of laying and breaching minefields.	29. Is responsible for laying, identifying, and breaching minefields.
30. Commands and controls the squad/team in the use of mine detection equipment.	30. Knows how to use and employ mine detection equipment.	30. Is responsible for the effective employment of mine detection equipment.
31. Commands and controls the squad/team in marking, recording, and reporting minefields.	31. Knows how to mark, record, and report the existence of minefields.	31. Is responsible for insuring that minefields are marked, recorded, and reported properly.
32. Requests and adjusts artillery fire, and utilizes the correct fire procedures.	32. Knows adjustment of artillery fire; knows proper fire procedures.	32. Is responsible for requesting artillery fire, and for relaying correct target data and range and deflection changes to insure coverage of the target area.
	33. Knows the capabilities of the 4.2 mortar.	
34. Requests and adjusts 4.2 mortar fire.	34. Knows how to request and adjust 4.2 mortar fire.	34. Is responsible for requesting and adjusting 4.2 mortar fire properly.
35. Commands and controls the squad/team in detecting, collecting, and reporting combat information.	35. Knows the combat intelligence responsibilities of the squad/team leader and of squad/team personnel.	35. Is responsible for the collecting and reporting of all combat information.
	36. Knows the basic characteristics of aggressor armor, infantry, and artillery, including equipment, organization, and combat methods.	
37. Supervises squad/team personnel in a manner which insures that security information is controlled on a need-to-know basis.	37. Knows how to safeguard military information; knows the various classifications of security materials, the basic safeguards, and the provisions of AR 380-5.	37. Is responsible for safeguarding security materials and military information of which he has knowledge, and for insuring that squad/team personnel safeguard sensitive materials and information.
38. Supervises and assists the squad/team in applying counterintelligence measures.	38. Knows the methods and techniques of counterintelligence measures.	38. Is responsible for insuring that squad/team personnel apply counterintelligence measures effectively.
	39. Knows counterintelligence measures and operations employed in our own Army and in foreign armies.	

Operations	Knowledge Factors	Responsibilities
40. Supervises and assists personnel in the preparation and marking of a drop zone and landing strip during the daytime and at night.	40. Knows the preparation and marking of a drop zone and landing strip during the daytime and at night.	40. Is responsible for preparing and marking drop zones and landing strips during the daytime and at night.
41. Selects and marks drop zones for aerial resupply.	41. Knows the techniques for selecting and marking drop zones for aerial resupply.	41. Is responsible for selecting and marking drop zones for aerial resupply.
42. Requests and recovers supplies delivered by aerial means.	42. Knows how to request and recover supplies delivered by aerial means.	42. Is responsible for properly requesting and recovering supplies delivered by aerial means.
43. Makes an engineer route reconnaissance, using the proper methods and techniques.	43. Knows the methods and techniques of making an engineer route reconnaissance.	43. Is responsible for employing the squad/team effectively in an engineer route reconnaissance.
44. Uses the methods and techniques of classifying routes.	44. Knows the methods and techniques of classifying routes.	44. Is responsible for proper classification of routes.
45. Uses the methods and techniques of classifying bridges.	45. Knows the methods and techniques of classifying bridges.	45. Is responsible for using the proper methods and techniques of classifying bridges.
	46. Knows all types of combat formations for the platoon.	
	47. Knows the formations and methods of advance for the platoon.	
	48. Knows the purposes and various types of armored cavalry retrograde movements at platoon level.	
	49. Knows the methods of attack employed by tanks and infantry at platoon level.	
	50. Knows the organization and capabilities of a mechanized rifle platoon.	
	51. Knows mechanized rifle formations and methods of advance at mechanized rifle platoon level.	
	52. Knows Army aviation missions—particularly those that directly support armored cavalry operations.	
53. Requests and directs air-ground operations at armored cavalry platoon level.	53. Knows the methods and techniques of requesting and directing air-ground operations at armored cavalry platoon level.	53. Is responsible for requesting and directing air-ground operations properly at armored cavalry platoon level.

Operations	Knowledge Factors	Responsibilities
	54. Knows coordination and control techniques used by ground elements in the employment of Army aircraft.	
	55. Knows the organization, equipment, and employment of engineers in their support of small armored cavalry units.	
	56. Knows classes of supply and technical services.	
	57. Knows the location and functions of troop trains.	

Job Duties: Communication Subjects and Skills

	1. Knows the standard series radio sets, including general characteristics, numerical and frequency allocations, and re-transmission facilities.	1. Is responsible for maintaining communication within the platoon, and between the platoon and other elements, as required.
2. Uses the phonetic alphabet as necessary.	2. Knows the phonetic alphabet; knows when it is used.	2. Is responsible for seeing that squad/team personnel use the phonetic alphabet properly, as required.
3. Opens, closes, and enters radio nets.	3. Knows radio nets.	3. Is responsible for opening, closing, and entering radio nets properly.
4. Uses proper radiotelephone procedure.	4. Knows standard radiotelephone procedure, including prowords, corrections, relaying, etc.	4. Is responsible for seeing that squad/team personnel use correct radiotelephone procedure.
5. Uses proper squad/team and tank-infantry team communications.	5. Knows squad/team and tank-infantry team communications.	5. Is responsible for using proper squad/team and tank-infantry team communications.
6. Operates and maintains the standard radios organic to the rifle squad in the armored cavalry platoon.	6. Knows the characteristics, operational techniques, and user maintenance of the standard radios organic to the rifle squad in the armored cavalry platoon.	6. Is responsible for properly operating and maintaining the standard radios organic to the rifle squad in the armored cavalry platoon.
7. Uses the tank external interphone system in working with a tank-infantry team.	7. Knows how to operate the tank external interphone system.	7. Is responsible for insuring that squad/team personnel know how to operate the tank external interphone system properly.
8. Uses codes and ciphers as required.	8. Knows codes and ciphers.	8. Is responsible for using proper codes and cipher in communications.

Operations	Knowledge Factors	Responsibilities
9. Formulates, transmits, and dispatches all messages as required at squad level.	9. Knows how to formulate, transmit, and dispatch all messages as required at the squad level.	9. Is responsible for proper formulation, transmission, and dispatch of all messages as required at squad level.
10. Reads, interprets, and follows SOI extracts.	10. Knows the content, purpose, and use of SOI extracts, and the necessary safeguards.	10. Is responsible for insuring that the squad/team follow SOI extracts, and for preserving security in the squad/team.
11. Employs authentication procedures and techniques as required.	11. Knows authentication procedures and techniques.	11. Is responsible for authentication procedures used within the squad/team.
12. Recognizes enemy jamming signals, and takes proper countermeasures against them.	12. Knows jamming procedures and countermeasures.	12. Is responsible for getting the message through enemy jamming.
13. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	13. Knows arm and hand, flag, flashlight, and panel signals.	13. Is responsible for the proper execution and interpretation of signals by the squad/team.
14. Installs and operates field wire equipment employed within the rifle squad, and performs user maintenance on this equipment.	14. Knows the installation and operation of field wire equipment employed within the squad; knows user maintenance.	14. Is responsible for the installation, operation, and user maintenance of field wire equipment employed within the squad.
	15. Knows radio nets up to and including troop.	15. Is responsible for contacting and coordinating with higher headquarters as required.
16. Inspects signal equipment found within the rifle squad; uses the appropriate maintenance forms.	16. Knows the inspection procedures and techniques used in inspecting signal equipment within the squad; knows the appropriate maintenance forms to use.	16. Is responsible for inspecting the signal equipment within the rifle squad, and for filling out the proper maintenance forms.
Job Duties: General Subjects		
1. Uses the compass to determine location and indicate direction, during both day and night movements.	1. Knows use of the compass during day and night movements.	1. Is responsible for leading the squad/team accurately by compass during daylight and darkness.
2. Uses the proper techniques and methods in orienting conventional military maps, and uses the map scale in measuring distance.	2. Knows the techniques and methods of orienting conventional military maps; knows how to use the map scale in the measurement of distance.	2. Is responsible for orienting military maps properly, and for using the map scale correctly in the measurement of distance.
3. Uses maps to determine elevation and recognize ground forms from contour lines.	3. Knows how to use a map to determine elevation and recognize ground forms from contour lines.	3. Is responsible for correctly determining elevation and recognizing ground forms from contour lines in using maps, and for insuring that the squad/team moves over the correct routes.

Rifle Squad and Fire Team Leaders

Operations	Knowledge Factors	Responsibilities
4. Uses the various types of grid systems and methods of expressing location by grid coordinates.	4. Knows the various types of grid systems and methods of expressing location by grid coordinates.	4. Is responsible for expressing location by the use of grid coordinates.
5. Interprets and uses the conventional signs and symbols appearing on military maps.	5. Knows the conventional signs and symbols used on military maps.	5. Is responsible for correctly interpreting signs and symbols used on military maps.
6. Uses the methods and techniques of intersection and resection in finding location with military maps.	6. Knows the methods and techniques of intersection and resection employed in using military maps.	6. Is responsible for knowing the squad/team location on the ground at all times.
7. Uses and interprets aerial photographs.	7. Knows how to use and interpret aerial photographs.	7. Is responsible for the use of aerial photographs in the execution of the squad/team mission.
8. Uses the techniques of determining the map scale from photo maps.	8. Knows the techniques of determining the map scale from photo maps.	8. Is responsible for correctly determining map scale from photo maps.
9. Prepares sketch maps as required.	9. Knows map sketching techniques.	9. Is responsible for preparation of legible sketch maps.
	10. Knows the basic principles of terrain analysis.	10. Is responsible for the proper employment of the squad/team, and for utilizing the terrain to the greatest advantage.
	11. Knows the effects of climate and weather on terrain.	11. Is responsible for moving the squad/team over the most favorable terrain, taking into account the effects of climate and weather on terrain.
12. Instructs and supervises squad/team personnel in proper preventive health measures, both in garrison and in the field.	12. Knows practical measures for the preservation of health and prevention of disease.	12. Is responsible for the health and welfare of squad/team personnel at all times.
13. Uses the basic principles of first aid in handling simple and compound fractures and in giving emergency aid to personnel who become casualties.	13. Knows the basic principles of first aid.	13. Is responsible for insuring that squad/team personnel know how to administer emergency aid, and that anyone receiving a wound is given immediate and appropriate emergency aid.
14. Supervises and assists in the removal of casualties from armored vehicles, and reports the occurrence of a casualty.	14. Knows proper procedures for evacuating casualties from armored vehicles.	14. Is responsible for using the proper procedures for evacuating casualties from armored vehicles.
	15. Knows the duties and responsibilities of the platoon sergeant and of individuals in the armored cavalry platoon.	

Operations	Knowledge Factors	Responsibilities
16. Maintains discipline, morale, and <u>esprit de corps</u> in the rifle squad at all times.	16. Knows the traits and basic qualities of the leader; knows the principles and techniques of military leadership.	16. Is responsible for the employment of methods and techniques to insure high morale, discipline, and <u>esprit de corps</u> in the squad/team.
17. Uses proper troop-leading procedures.	17. Knows the methods and techniques of proper troop-leading procedures.	17. Is responsible for the welfare of his men, and sets an example to follow as leader of the squad/team.
18. Conducts dismounted drill.	18. Knows how to conduct dismounted drill.	18. Is responsible for instructing the squad/team on all platoon formations, and for the functioning of the squad/team when it participates in platoon formations.
19. Supervises and conducts physical fitness classes.	19. Knows how to conduct physical fitness classes.	19. Is responsible for insuring that squad/team personnel can pass a normal, reasonable physical fitness test.
20. Presents oral instruction, utilizing practical work and demonstrations to illustrate the teaching principles; conducts critiques.	20. Knows the principles, methods, and techniques of teaching.	20. Is responsible for instructing the squad/team as required.
21. Prepares training schedules for the rifle squad and fire team.	21. Knows how to prepare training schedules for the rifle squad and fire team.	21. Is responsible for preparing training schedules for the rifle squad and fire team.
22. Prepares and directs small unit tactical training exercises.	22. Knows correct tactical employment of the rifle squad and fire team; knows principles and procedures for preparing and conducting small unit tactical training exercises.	22. Is responsible for training the squad/team for combat by preparing and conducting small-unit problems.
23. Uses the bayonet and the techniques of unarmed defense.	23. Knows the techniques of using the bayonet and the techniques of unarmed defense.	23. Is responsible for insuring that squad/team personnel can utilize the bayonet and the techniques of unarmed defense.
24. Supervises and assists in the camouflage of the squad/team as appropriate and necessary.	24. Knows the basic principles and techniques of camouflage.	24. Is responsible for insuring that the squad/team uses proper camouflage techniques.
25. Commands and controls the squad/team in the use of explosives and the demolition card.	25. Knows the various types of military explosives and their use; knows the use of the demolition card.	25. Is responsible for the effective employment of military explosives used by the squad/team.

Rifle Squad and Fire Team Leaders

Operations	Knowledge Factors	Responsibilities
26. Commands, controls, and instructs the squad/team in the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	26. Knows the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	26. Is responsible for insuring that squad/team personnel fully understand and apply the principle of the Code of Conduct, and survival, evasion, and escape techniques.
	27. Knows the principles and fundamentals of military justice.	27. Is responsible for seeing that squad/team personnel are aware of the conduct expected under a military system, and of their rights under a military system.
	28. Knows the organization and function of the medical service in the troop.	28. Is responsible for requesting medical aid as required.
29. Conducts inspections of the squad/team.	29. Knows the principles, techniques, and mechanics of preparing for and conducting a command inspection of the squad/team.	29. Is responsible for insuring that the squad/team maintains the standards required by higher headquarters.

Job Duties: Gunnery, Weapons, and Materiel

1. Senses and detects enemy targets.	1. Knows the techniques and methods of sensing and detecting enemy targets.	1. Is responsible for locating and taking enemy targets under fire.
2. Engages stationary and moving targets, using the proper techniques.	2. Knows the techniques of engaging stationary and moving targets.	2. Is responsible for using the proper techniques of engaging stationary and moving targets.
3. Uses the various methods of determining range; uses the mil formula and binoculars.	3. Knows the various methods of determining range, knows the mil formula, and knows how to use binoculars.	3. Is responsible for insuring that squad/team personnel know how to determine range and how to use the mil formula and binoculars.
4. Prepares and uses a range card.	4. Knows how to prepare and fire from a range card.	4. Is responsible for preparing range cards, firing from range cards, and coordinating fire of the squad/team from range cards.
5. Fires and qualifies with the M-60 machine gun.	5. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, and inspection of the M-60 machine gun; knows the proper aiming and firing techniques employed in firing the weapon.	5. Is responsible for acquiring firing skill, and for instructing squad/team personnel in proper firing techniques, on the M-60 machine gun.
6. Fires and qualifies with the caliber .50 machine gun.	6. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, inspection, mounting, dismounting, loading, etc. of the caliber .50 machine gun; knows the aiming and firing techniques employed in firing the weapon.	6. Is responsible for acquiring firing skill, and for instructing squad/team personnel in proper firing techniques, on the caliber .50 machine gun.

Operations	Knowledge Factors	Responsibilities
7. Fires and qualifies with the M-14 rifle.	7. Knows the characteristics, nomenclature, inspection, immediate action, and malfunctions of the M-14 rifle; knows the proper aiming and firing techniques employed in firing the weapon.	7. Is responsible for acquiring firing skill, and for instructing squad/team personnel in proper firing techniques, on the M-14 rifle.
8. Uses the sniperscope and sniper rifle.	8. Knows how to use the sniperscope and sniper rifle.	8. Is responsible for insuring that the sniperscope and sniper rifle are employed properly and that squad/team personnel know how to use the sniperscope and sniper rifle.
9. Fires and qualifies with the M-79, 40mm grenade launcher.	9. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, and immediate action of the M-79; knows the proper aiming and firing techniques employed in firing the weapon.	9. Is responsible for acquiring firing skill, and for instructing squad personnel in proper firing techniques, on the M-79 grenade launcher.
10. Fires and qualifies with the caliber .45 pistol.	10. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, and inspection of the caliber .45 pistol; knows the proper aiming and firing techniques employed in firing the weapon.	10. Is responsible for acquiring firing skill, and for instructing squad/team personnel in proper firing techniques, on the caliber .45 pistol.
*11. Fires and qualifies with the 3.5 rocket launcher. ¹	*11. Knows the characteristics, nomenclature, safety precautions, loading, immediate action, sighting, and aiming of the 3.5 rocket launcher.	*11. Is responsible for acquiring firing skill, and for instructing squad/team personnel in proper firing techniques on the 3.5 rocket launcher.
12. Conducts small arms inspections.	12. Knows the conduct and techniques of small arms inspection.	12. Is responsible for insuring that all small arms within the squad/team are maintained properly and are in firing condition.
13. Uses hand grenades and rifle grenades as required.	13. Knows the various types of hand grenades and rifle grenades and the particular value and use of each as a weapon.	13. Is responsible for training the squad/team in the proper use of hand and rifle grenades, and in the safety precautions required in using them.
14. Requests and adjusts artillery and mortar fire; utilizes the correct fire procedures.	14. Knows adjustment of artillery and mortar fire; knows proper fire procedures.	14. Is responsible for requesting artillery and mortar fire, and for relaying correct target data and range and deflection changes to insure coverage of the target area.

¹The equipment specified in Item 11 is not listed in the TOE, but some units still have the equipment.

**COMBAT JOB REQUIREMENTS
FOR GRENADE (MOS 111.1), AUTOMATIC RIFLEMAN (MOS 111.1),
AND RIFLEMAN (MOS 111.0)**

Operations	Knowledge Factors	Responsibilities
Job Duties: Armored Cavalry Employment		
	1. Knows the organization and capabilities of the armored cavalry rifle squad.	
	2. Knows the employment of the rifle squad in all types of reconnaissance missions.	
	3. Knows the employment of the rifle squad in all types of security missions.	
	4. Knows the conduct of defense by the rifle squad.	
	5. Knows the employment of the rifle squad in a reconnaissance behind enemy lines.	
	6. Knows how to prepare the rifle squad and conduct it in a night attack.	
	7. Knows the employment of the rifle squad in blocking positions and roadblocks.	
	8. Knows the employment of the rifle squad as part of a combined arms team (scramble).	
9. Uses proper methods and techniques to overcome typical obstacles encountered by the rifle squad.	9. Knows the methods and techniques of overcoming typical obstacles encountered by the rifle squad.	9. Is responsible for using the proper methods and techniques to overcome typical obstacles encountered by the rifle squad.
10. Establishes and conducts listening and observation posts.	10. Knows how to establish and conduct listening and observation posts.	10. Is responsible for establishing and conducting listening and observation posts.
11. Uses the formations and methods of advance for the rifle squad and fire team.	11. Knows the various formations and methods of advance for the rifle squad and fire team.	11. Is responsible for knowing what his position is in all formations, and for changing quickly from one formation to another.
	12. Knows the employment of the rifle squad in nuclear warfare.	

Operations	Knowledge Factors	Responsibilities
	13. Knows the organization and capabilities of tank-infantry teams.	
	14. Knows the methods of attack employed by tanks and mechanized infantry at the rifle squad level.	
15. Uses the basic protective measures before and after nuclear and thermonuclear explosions to protect himself and equipment, and checks himself and equipment for contamination.	15. Knows the basic protective measures to employ before and after nuclear and thermonuclear explosions; knows the nature and extent of nuclear explosions and their effects on personnel and vehicles.	15. Is responsible for employing the basic protective measures before and after nuclear or thermonuclear explosions, and for making passive defense against nuclear explosions.
	16. Knows the employment of the rifle squad in CBR monitoring and survey operations.	
	17. Knows the various types of operations orders, including oral, fragmentary, and warning orders.	
18. Uses mine detection equipment organic to the armored cavalry platoon.	18. Knows how to operate and maintain mine detection equipment organic to the armored cavalry platoon.	18. Is responsible for using proper methods and techniques in operating mine detection equipment organic to the armored cavalry platoon.
19. Marks, records, and reports the existence of minefields.	19. Knows how to mark, record, and report the existence of minefields.	19. Is responsible for correctly marking, recording, and reporting the existence of minefields.
20. Lays various types of minefields, and clears and breaches minefields encountered by the armored cavalry platoon.	20. Knows the various types of mines and minefields; knows the various methods for laying and breaching minefields.	20. Is responsible for laying, identifying, and breaching minefields.
	21. Knows the combat responsibilities of rifle squad personnel.	
22. Observes, collects, and reports combat information accurately.	22. Knows the methods and procedures for observing, collecting, and reporting combat information.	22. Is responsible for the collection and reporting of all combat information.
	23. Knows the basic characteristics of aggressor armor, infantry, and artillery, including equipment, organization, and combat methods.	
	24. Knows how to safeguard military information; knows the various classifications of security materials, the basic safeguards, and the provisions of AR 380-5.	24. Is responsible for safeguarding all security materials and military information of which he has knowledge, and for insuring that fire team personnel safeguard sensitive materials and information.

Operations	Knowledge Factors	Responsibilities
25. Requests and adjusts artillery and mortar fire.	25. Knows how to request and adjust artillery and mortar fire; knows proper fire procedures.	25. Is responsible for requesting artillery and mortar fire, and for relaying correct target data and range deflection changes to insure coverage of the target area.
	26. Knows the organization and mission of the armored cavalry platoon.	
	27. Knows the organization and capabilities of the mechanized rifle platoon.	
	28. Knows all types of combat formations of the platoon.	
	29. Knows the formations and methods of advance at platoon level.	
	30. Knows the conduct of defense by the platoon.	

Job Duties: Communication Subjects and Skills

1. Uses the phonetic alphabet as necessary.	1. Knows the phonetic alphabet; knows when it is used.	1. Is responsible for using the phonetic alphabet as required.
	2. Knows radio communication interphone procedure and language.	2. Is responsible for using correct radio communication interphone procedure and language as required.
3. Uses the tank external interphone system in working with a tank-infantry team.	3. Knows how to operate the tank external interphone system in working with a tank-infantry team.	3. Is responsible for using the tank external interphone system properly in working with a tank-infantry team.
4. Uses and maintains the standard portable radio set organic to the rifle squad in an armored cavalry platoon.	4. Knows how to operate and perform user maintenance on the standard portable radio set organic to the rifle squad in an armored cavalry platoon.	4. Is responsible for properly operating and maintaining the standard portable radio set organic to the rifle squad in an armored cavalry platoon.
5. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	5. Knows arm and hand, flag, flashlight, and panel signals.	5. Is responsible for proper execution and interpretation of signals.
6. Installs, operates, and performs user maintenance on field wire equipment employed within the armored cavalry platoon.	6. Knows how to install, operate, and perform user maintenance on field wire equipment employed within the armored cavalry platoon.	6. Is responsible for the installation and operation of field wire equipment employed within the armored cavalry platoon, and for performing user maintenance on this equipment.

Operations	Knowledge Factors	Responsibilities
7. Formulates, transmits, and dispatches all messages as required at rifle squad level.	7. Knows how to formulate, transmit, and dispatch all messages as required at rifle squad level.	7. Is responsible for proper formulation, transmission, and dispatch of all messages as required at rifle squad level.
Job Duties: General Subjects		
1. Interprets and uses the conventional signs and symbols appearing on military maps.	1. Knows the conventional signs and symbols used on military maps.	1. Is responsible for correctly interpreting signs and symbols used on military maps.
2. Uses the compass to determine location and indicate direction, during both day and night movements.	2. Knows the uses of the compass during day and night movements.	2. Is responsible for knowing how to determine location and indicate direction with the compass, during both day and night movements.
3. Uses the techniques and methods of orienting conventional military maps, and uses the map scale in the measurement of distance.	3. Knows the techniques and methods of orienting conventional military maps; knows how to use the map scale in the measurement of distance.	3. Is responsible for orienting military maps properly, and for correctly using the map scale in the measurement of distance.
4. Uses maps to determine elevation and recognize ground forms from contour lines.	4. Knows how to use a map to determine elevation and recognize ground forms from contour lines.	4. Is responsible for correctly determining elevation and for recognizing ground forms from contour lines in using maps.
5. Uses the various types of grid systems, and methods of expressing location by grid coordinates.	5. Knows the various types of grid systems; knows methods of expressing location by grid coordinates.	5. Is responsible for expressing location by use of grid coordinates.
6. Uses the methods and techniques of intersection and resection in finding location with military maps.	6. Knows the methods and techniques of intersection and resection in using military maps.	6. Is responsible for finding his location on military maps by using intersection and resection.
	7. Knows the basic principles of terrain analysis.	
8. Uses the bayonet and the techniques of unarmed defense as necessary.	8. Knows how to use the bayonet; knows the techniques of unarmed defense.	8. Is responsible for knowing how to fight with the bayonet, and for using the proper techniques of unarmed defense, as necessary.
9. Uses explosives and the demolition card.	9. Knows the fundamentals of military explosives and the use of the demolition card.	9. Is responsible for correctly using military explosives and the demolition card.
10. Assists in the camouflage of the rifle squad/fire team (support squad) as appropriate and necessary.	10. Knows the basic principles and techniques of camouflage.	10. Is responsible for using the proper camouflage techniques.

Operations	Knowledge Factors	Responsibilities
11. Uses the basic principles of first aid in giving emergency treatment to personnel who become casualties.	11. Knows emergency aid procedures.	11. Is responsible for knowing how to administer emergency aid, and for insuring that anyone receiving a wound is given immediate and appropriate emergency aid.
12. Assists in the removal of casualties from vehicles, and reports the occurrence of a casualty.	12. Knows proper procedures for evacuating casualties from vehicles; knows how to report a casualty.	12. Is responsible for using the proper methods of removing casualties from vehicles, and for insuring that the casualty is reported properly.
13. Uses practical field measures for the prevention of disease and preservation of health.	13. Knows practical measures for the preservation of health and prevention of disease.	13. Is responsible for utilizing proper procedures to preserve his personal health and hygiene, in garrison and in the field.
	14. Knows the methods and techniques used to develop and maintain efficiency, discipline, morale, and <u>esprit de corps</u> in combat.	
	15. Knows the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	15. Is responsible for applying the principles of the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.
	16. Knows the principles and fundamentals of military justice.	

Job Duties: Gunnery, Weapons, and Materiel

1. Engages stationary and moving targets; utilizes the proper techniques in doing so.	1. Knows the proper techniques of engaging stationary and moving targets.	1. Is responsible for using the proper techniques of engaging stationary and moving targets.
2. Uses the various methods of determining range; uses the mil formula and binoculars.	2. Knows the various methods of determining range, knows the mil formula, and knows how to use binoculars.	2. Is responsible for determining range and for using the mil formula and binoculars.
3. Prepares and uses a range card.	3. Knows how to prepare and fire from a range card.	3. Is responsible for making out range cards, and for firing from range card data.
4. Requests and adjusts artillery and mortar fire and utilizes correct fire procedures.	4. Knows adjustment of artillery and mortar fire; knows proper fire procedures.	4. Is responsible for requesting artillery and mortar fire, and for relaying correct target data and range and deflection changes to insure coverage of the target zone.

Operations	Knowledge Factors	Responsibilities
5. Fires and qualifies with the M-14 rifle.	5. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, immediate action, and inspection of the M-14 rifle; knows proper aiming and firing techniques employed in firing the weapon.	5. Is responsible for acquiring firing skill with the M-14 rifle, and for maintaining it.
6. Fires and qualifies with the caliber .45 pistol.	6. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, and inspection of the caliber .45 pistol; knows the aiming and firing techniques employed in firing the weapon.	6. Is responsible for acquiring firing skill with the caliber .45 pistol, and for maintaining it.
7. Fires and qualifies with the M-60 machine gun.	7. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, immediate action, and inspection of the M-60 machine gun; knows the proper aiming and firing techniques employed in firing the weapon.	7. Is responsible for acquiring firing skill with the M-60 machine gun and for maintaining it.
8. Fires and qualifies with the caliber .50 machine gun.	8. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, immediate action, inspection, mounting, dismounting, and loading of the caliber .50 machine gun; knows the proper aiming and firing techniques employed in firing the weapon.	8. Is responsible for acquiring firing skill with the caliber .50 machine gun, and for maintaining it.
9. Uses the M-79, 40mm grenade launcher.	9. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, and inspection of the M-79; knows the proper aiming and firing techniques employed in firing the weapon.	9. Is responsible for acquiring firing skill with the M-79, and for maintaining it.
10. Uses rifle grenades and hand grenades as required.	10. Knows the types of rifle grenades and hand grenades; knows the particular value and use of each as a weapon.	10. Is responsible for the proper use of rifle and hand grenades and for the safety precautions to be taken in using them.
*11. Fires and qualifies with the 3.5 rocket launcher. ¹	*11. Knows the characteristics, nomenclature, safety precautions, loading, immediate action, sighting, and aiming of the 3.5 rocket launcher.	*11. Is responsible for acquiring firing skill with the 3.5 rocket launcher, and for maintaining it.
12. Fires the sniper rifle with the sniperscope.	12. Knows how to use the sniperscope and the sniper rifle.	12. Is responsible for acquiring firing skill with the sniperscope and sniper rifle.

¹The equipment specified in Item 11 is not listed in the TOE, but some units still have the equipment.

**COMBAT JOB REQUIREMENTS
FOR RIFLE SQUAD DRIVER (MOS 111.1)**

Operations	Knowledge Factors	Responsibilities
Job Duties: Automotive Subjects and Skills		
1. Performs first echelon maintenance and assists in performing second echelon maintenance on the armored personnel carrier.	1. Knows the first and second echelons of the Army System of Maintenance; knows the daily maintenance on the APC.	1. Is responsible for performing first echelon maintenance and for assisting in second echelon maintenance on the APC.
2. Drives the standard types of armored personnel carriers.	2. Knows the general characteristics and performance capabilities of the APC; knows controls and instruments, proper driving practices, rules of the road, and operation under climatic extremes.	2. Is responsible for using proper driving practices at all times.
	3. Knows the general characteristics and performance capabilities of track vehicles.	
4. Employs the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at rifle squad level.	4. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at rifle squad level.	4. Is responsible for seeing that maintenance checks are properly performed and that deficiencies are noted and properly communicated.
	5. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at platoon level.	
6. Assists maintenance personnel, and uses the tools and equipment to accomplish maintenance services at rifle squad and platoon levels.	6. Knows the personnel, tools, and equipment used to accomplish maintenance services at rifle squad and platoon levels.	6. Is responsible for assisting maintenance personnel in accomplishing their duties, and for properly employing the tools and equipment used in performing the maintenance.
7. Performs field expedients and vehicle recovery techniques on the armored personnel carrier, using the tools and equipment available at rifle squad and platoon levels.	7. Knows the field expedients and vehicle recovery techniques used on the APC; knows the tools and equipment available at rifle squad and platoon levels to accomplish these tasks.	7. Is responsible for utilizing correct field expedients and vehicle recovery techniques on the APC, and for properly using the tools and equipment available at the rifle squad and platoon levels to accomplish these tasks.
	8. Knows the recovery vehicles and equipment available at immediately supporting echelons, such as troop.	8. Is responsible for requesting aid from immediately supporting echelons as necessary.
9. Uses the infrared devices normally found on armored personnel carriers as required.	9. Knows how to use the infrared devices normally found on the APC; knows how to install and maintain the devices.	9. Is responsible for properly installing, maintaining, and using the infrared devices normally found on the APC.

Operations	Knowledge Factors	Responsibilities
Job Duties: Armored Cavalry Employment		
	1. Knows the organization and capabilities of the rifle squad.	
	2. Knows the employment of the rifle squad in all types of reconnaissance missions.	
	3. Knows the employment of the rifle squad in all types of security missions.	
	4. Knows how the rifle squad is prepared for and conducted during a night attack.	
	5. Knows the conduct of defense for the rifle squad.	
	6. Knows the employment of the rifle squad operating behind enemy lines.	
	7. Knows the employment of the rifle squad in blocking positions and roadblocks.	
	8. Knows the employment of the rifle squad in CBR monitoring and survey operations.	
	9. Knows the organization and capabilities of tank-infantry teams.	
	10. Knows the methods of attack employed by tanks and infantry at section and squad levels.	
	11. Knows the various types of operations orders, including oral, fragmentary, and warning orders.	
12. Uses the basic protective measures before and after nuclear and thermonuclear explosions to protect himself and equipment, and checks himself and equipment for contamination.	12. Knows the basic protective measures to employ before and after nuclear and thermonuclear explosions; knows the nature and extent of nuclear explosions and their effects on personnel and vehicles.	12. Is responsible for employing the basic protective measures before and after nuclear or thermonuclear explosions, and for making a passive defense against nuclear explosions.
13. Prepares the armored personnel carrier for crossing streams and rivers, and uses the proper methods and techniques in crossing them.	13. Knows how to prepare the APC for crossing streams and rivers; knows the proper methods and techniques to use in crossing them.	13. Is responsible for crossing streams and rivers properly with the APC.

Rifle Squad Driver

Operations	Knowledge Factors	Responsibilities
	14. Knows all types of combat formations and methods of advance for the rifle squad.	
15. Uses the proper methods and techniques to get around typical obstacles encountered by the rifle squad.	15. Knows the methods and techniques of overcoming typical obstacles encountered by the rifle squad.	15. Is responsible for using the proper methods and techniques to overcome typical obstacles encountered by the rifle squad.
16. Requests and adjusts artillery and mortar fire.	16. Knows how to request and adjust artillery and mortar fire; knows proper fire procedures.	16. Is responsible for requesting artillery and mortar fire, and for relaying correct target data and range and deflection changes to insure coverage of the target area.
	17. Knows the influence of enemy, terrain, and weather on armored cavalry operations.	
	18. Knows the combat responsibilities of rifle squad personnel.	
19. Observes, collects, and reports combat information accurately.	19. Knows the methods and procedures for observing, collecting, and reporting combat information.	19. Is responsible for the collecting and reporting of all combat information.
	20. Knows how to safeguard military information; knows the various classifications of security materials, the basic safeguards, and the provisions of AR 380-5.	20. Is responsible for safeguarding all security materials and military information of which he has knowledge, and for insuring that squad members also safeguard sensitive materials and information.
	21. Knows the basic characteristics of aggressor armor, infantry, and artillery, including equipment, organization, and combat methods.	
22. Uses mine detection equipment organic to the armored cavalry platoon.	22. Knows how to operate and maintain mine detection equipment organic to the armored cavalry platoon.	22. Is responsible for using proper methods and techniques in operating mine detection equipment organic to the armored cavalry platoon.
23. Lays various types of minefields, and clears and breaches minefields encountered by the armored cavalry platoon.	23. Knows the various types of mines and minefields, and the various methods for laying and breaching minefields.	23. Is responsible for laying, identifying, and breaching minefields.
24. Marks, records, and reports the existence of minefields.	24. Knows how to mark, record, and report the existence of minefields.	24. Is responsible for correctly marking, recording, and reporting the existence of minefields.

Operations	Knowledge Factors	Responsibilities
	25. Knows the organization and capabilities of the armored cavalry platoon.	
	26. Knows the role of the armored cavalry platoon in amphibious operations.	
	27. Knows all types of combat formations and methods of advance for the armored cavalry platoon.	
	28. Knows armored rifle formations and methods of advance at the armored infantry platoon level.	
	29. Knows the march terms used in conducting armored cavalry platoon marches.	
	30. Knows the organization and capabilities of the armored rifle platoon.	

Job Duties: Communication Subjects and Skills

1. Uses the phonetic alphabet as necessary.	1. Knows the phonetic alphabet; knows when it is used.	1. Is responsible for using the phonetic alphabet as required.
2. Uses proper radiotelephone procedure.	2. Knows standard radiotelephone procedure, including prowords, corrections, relaying, etc.	2. Is responsible for using correct radiotelephone procedure.
3. Uses proper radio communication interphone procedure and language.	3. Knows radio communication interphone procedure and language.	3. Is responsible for using proper radio communication interphone procedure and language.
4. Opens, closes, and enters radio nets.	4. Knows radio nets.	4. Is responsible for opening, closing, and entering radio nets.
5. Operates and maintains the standard radios organic to the rifle squad in an armored cavalry platoon.	5. Knows the characteristics, operational techniques, and user maintenance of the standard radios organic to the rifle squad in an armored cavalry platoon.	5. Is responsible for properly operating and maintaining the standard radios organic to the rifle squad in an armored cavalry platoon.
6. Installs, operates, and performs user maintenance on field wire equipment employed within the armored cavalry platoon.	6. Knows how to install, operate, and perform user maintenance on field wire equipment employed within the armored cavalry platoon.	6. Is responsible for installing and operating field wire equipment employed within the armored cavalry platoon, and for performing user maintenance on this equipment.

Rifle Squad Driver

Operations	Knowledge Factors	Responsibilities
7. Formulates, transmits, and dispatches all messages as required at squad level.	7. Knows how to formulate, transmit, and dispatch all messages as required at squad level.	7. Is responsible for proper formulation, transmission, and dispatch of all messages as required at squad level.
8. Reads, interprets, and follows SOI extracts.	8. Knows the content, purpose, and use of SOI extracts, and the necessary safeguards.	8. Is responsible for following the SOI extracts, and for preserving security within the rifle squad.
9. Employs authentication procedures and techniques as required.	9. Knows authentication procedures and techniques.	9. Is responsible for using proper authentication procedures and techniques.
10. Uses codes and ciphers as required.	10. Knows codes and ciphers.	10. Is responsible for using codes and ciphers properly in communication.
11. Recognizes enemy jamming signals and takes proper countermeasures against them.	11. Knows jamming procedures and countermeasures.	11. Is responsible for getting the message through enemy jamming.
12. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	12. Knows arm and hand, flag, flashlight, and panel signals.	12. Is responsible for proper execution and interpretation of signals.
Job Duties: General Subjects		
1. Interprets and uses the conventional signs and symbols appearing on military maps.	1. Knows the conventional signs and symbols used on military maps.	1. Is responsible for correctly interpreting signs and symbols used on military maps.
2. Uses the compass to determine location and indicate direction, during both day and night movements.	2. Knows the uses of the compass during day and night movements.	2. Is responsible for knowing how to determine location and indicate direction with the compass, during both day and night movements.
3. Uses the techniques and methods of orienting conventional military maps, and uses the map scale in the measurement of distance.	3. Knows the techniques and methods of orienting conventional military maps; knows how to use the map scale in the measurement of distance.	3. Is responsible for orienting military maps properly, and for correctly using the map scale in the measurement of distance.
4. Uses maps to determine elevation and recognize ground forms from contour lines.	4. Knows how to use a map to determine elevation and recognize ground forms from contour lines.	4. Is responsible for correctly determining elevation and for recognizing ground forms from contour lines in using maps.
5. Uses the various types of grid systems, and methods of expressing location by grid coordinates.	5. Knows the various types of grid systems; knows methods of expressing location by grid coordinates.	5. Is responsible for expressing location by use of grid coordinates.
6. Uses the methods and techniques of intersection and resection in finding location with military maps.	6. Knows the methods and techniques of intersection and resection in using military maps.	6. Is responsible for finding his location on military maps by using intersection and resection.

Operations	Knowledge Factors	Responsibilities
	7. Knows the basic principles of terrain analysis.	
8. Uses the bayonet and the techniques of unarmed defense as necessary.	8. Knows how to use the bayonet; knows the techniques of unarmed defense.	8. Is responsible for knowing how to fight with the bayonet, and for using the proper techniques of unarmed defense, as necessary.
9. Uses explosives and the demolition card.	9. Knows the fundamentals of military explosives and the use of the demolition card.	9. Is responsible for correctly using military explosives and the demolition card.
10. Assists in the camouflage of the rifle squad/fire team (support squad) as appropriate and necessary.	10. Knows the basic principles and techniques of camouflage.	10. Is responsible for using the proper camouflage techniques.
11. Uses the basic principles of first aid in giving emergency treatment to personnel who become casualties.	11. Knows emergency aid procedures.	11. Is responsible for knowing how to administer emergency aid, and for insuring that anyone receiving a wound is given immediate and appropriate emergency aid.
12. Assists in the removal of casualties from vehicles, and reports the occurrence of a casualty.	12. Knows proper procedures for evacuating casualties from vehicles; knows how to report a casualty.	12. Is responsible for using the proper methods of removing casualties from vehicles, and for insuring that the casualty is reported properly.
13. Uses practical field measures for the prevention of disease and preservation of health.	13. Knows practical measures for the preservation of health and prevention of disease.	13. Is responsible for utilizing proper procedures to preserve his personal health and hygiene, in garrison and in the field.
	14. Knows the methods and techniques used to develop and maintain efficiency, discipline, morale, and <u>esprit de corps</u> in combat.	
	15. Knows the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	15. Is responsible for applying the principle of the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.
	16. Knows the principles and fundamentals of military justice.	
Job Duties: Gunnery, Weapons, and Materiel		
1. Engages stationary and moving targets, utilizing the proper techniques.	1. Knows the proper techniques of engaging stationary and moving targets.	1. Is responsible for using the proper techniques in engaging stationary and moving targets.

Rifle Squad Driver

Operations	Knowledge Factors	Responsibilities
2. Uses the various methods of determining range; uses the mil formula and binoculars.	2. Knows the various methods of determining range, knows the mil formula, and knows how to use binoculars.	2. Is responsible for determining range, and for using the mil formula and binoculars.
3. Prepares and uses a range card.	3. Knows how to prepare and fire from a range card.	3. Is responsible for making out range cards, and for firing from range card data.
4. Requests and adjusts artillery and mortar fire, and utilizes correct fire procedures.	4. Knows adjustment of artillery and mortar fire; knows proper fire procedures.	4. Is responsible for requesting artillery and mortar fire, and for relaying correct target data and range and deflection changes to insure coverage of the target zone.
5. Fires and qualifies with the M-14 rifle.	5. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, immediate action, and inspection of the M-14 rifle; knows proper aiming and firing techniques employed in firing the weapon.	5. Is responsible for acquiring firing skill with the M-14 rifle, and for maintaining it.
6. Fires and qualifies with the caliber .45 pistol.	6. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, and inspection of the caliber .45 pistol; knows the aiming and firing techniques employed in firing the weapon.	6. Is responsible for acquiring firing skill with the caliber .45 pistol, and for maintaining it.
7. Fires and qualifies with the M-60 machine gun.	7. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, immediate action, and inspection of the M-60 machine gun; knows the proper aiming and firing techniques employed in firing the weapon.	7. Is responsible for acquiring firing skill with the M-60 machine gun, and for maintaining it.
8. Fires and qualifies with the caliber .50 machine gun.	8. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, immediate action, inspection, mounting, dismounting, and loading of the caliber .50 machine gun; knows the proper aiming and firing techniques employed in firing the weapon.	8. Is responsible for acquiring firing skill with the caliber .50 machine gun, and for maintaining it.
9. Uses the M-79, 40mm grenade launcher.	9. Knows the characteristics, nomenclature, disassembly, assembly, care and cleaning, and inspection of the M-79; knows the proper aiming and firing techniques employed in firing the weapon.	9. Is responsible for acquiring firing skill with the M-79, and for maintaining it.

Operations	Knowledge Factors	Responsibilities
10. Uses rifle grenades and hand grenades as required.	10. Knows the types of rifle grenades and hand grenades; knows the particular value and use of each as a weapon.	10. Is responsible for the proper use of rifle and hand grenades and for the safety precautions to be taken in using them.
*11. Fires and qualifies with the 3.5 rocket launcher. ¹	*11. Knows the characteristics, nomenclature, safety precautions, loading, immediate action, sighting, and aiming of the 3.5 rocket launcher.	*11. Is responsible for acquiring firing skill with the 3.5 rocket launcher, and for maintaining it.
12. Fires the sniper rifle with the sniperscope.	12. Knows how to use the sniper-scope and the sniper rifle.	12. Is responsible for acquiring firing skill with the sniperscope and sniper rifle.

¹The equipment specified in Item 11 is not listed in the TOE, but some units still have the equipment.

**COMBAT JOB REQUIREMENTS
FOR SUPPORT SQUAD LEADER (MOS 112.6)**

Operations	Knowledge Factors	Responsibilities
Job Duties: Automotive Subjects and Skills		
1. Inspects and evaluates the adequacy of support squad maintenance.	1. Knows the first and second echelons of the Army System of Maintenance; knows maintenance inspections and inspecting procedures at support squad level.	1. Is responsible for insuring that maintenance checks are properly performed, and that deficiencies are noted and properly communicated to the platoon leader.
2. Supervises and assists support squad personnel in the use of forms and records, technical manuals, and lubricating orders used in performing maintenance services.	2. Knows the forms and records, technical manuals, and lubrication orders used in first and second echelon maintenance services at support squad level.	2. Is responsible for insuring that correct maintenance procedures are followed and that correct publications and forms are utilized.
3. Supervises and assists support squad personnel in accomplishing maintenance services at squad level.	3. Knows the personnel, tools, and equipment used to accomplish maintenance services at support squad level.	3. Is responsible for the proper utilization of personnel, tools, and equipment used to accomplish maintenance services at squad level.
	4. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at platoon level.	
	5. Knows the personnel, tools, and equipment used to accomplish maintenance services at troop level.	5. Is responsible for coordination between the support squad personnel and troop level maintenance personnel.
6. Conducts and supervises the daily maintenance services on the mortar carrier.	6. Knows driver maintenance services on the mortar carrier.	6. Is responsible for insuring that driver maintenance services are performed as required.
	7. Knows the proper driving practices, rules of the road, and operation under climatic extremes for all troop vehicles.	7. Is responsible for insuring that platoon personnel operate their vehicles in the correct manner.
8. Supervises and demonstrates proper driving practices on the mortar carrier.	8. Knows the general characteristics, performance capabilities, controls and instruments, proper driving practices, rules of the road, and operation under climatic extremes, for the mortar carrier.	8. Is responsible for insuring that his driver follows proper driving practices at all times.
9. Organizes and sets up classes for a driver training program for the mortar carrier.	9. Knows the methods and procedures for organizing a driver training program for the mortar carrier.	9. Is responsible for insuring that the driving program is set up and run correctly.

Operations	Knowledge Factors	Responsibilities
10. Supervises and assists in the use of field expedients and vehicle recovery techniques dealing with the mortar carrier.	10. Knows the field expedients and vehicle recovery techniques dealing with the mortar carrier.	10. Is responsible for insuring that support squad personnel utilize proper field expedients and vehicle recovery techniques on the mortar carrier.
11. Supervises and assists in field expedients and vehicle recovery techniques, utilizing tools and equipment found within the platoon and troop.	11. Knows field expedients and vehicle recovery techniques, utilizing tools and equipment found at platoon and troop level.	11. Is responsible for the proper employment of field expedients and vehicle recovery techniques.
	12. Knows the general characteristics and performance capabilities of track vehicles.	
	13. Knows of recovery vehicles and equipment available at immediately supporting echelons such as troop and squadron.	13. Is responsible for obtaining the help of immediately supporting echelons as required.
	14. Knows field expedients and vehicle recovery techniques for other track vehicles besides the mortar carrier.	14. Is responsible for insuring that support squad personnel aid in the recovery of track vehicles as required.
15. Supervises and assists in the installation of infrared devices normally found on the mortar carrier.	15. Knows how to install and use the infrared devices found on the mortar carrier.	15. Is responsible for the proper installation and utilization of infrared devices on the mortar carrier.
16. Conducts or assists the platoon leader in the inspection and evaluation of the adequacy of platoon maintenance.	16. Knows inspection procedures and required standards of serviceability.	16. Is responsible for the detecting and correcting of deficiencies.
Job Duties: Armored Cavalry Employment		
1. Commands and controls the support squad in all types of reconnaissance missions.	1. Knows how to employ the support squad in all types of reconnaissance missions.	1. Is responsible for the effective employment of the support squad in reconnaissance missions.
2. Commands and controls the support squad in all types of security missions.	2. Knows how to employ the support squad in all types of security missions.	2. Is responsible for the effective employment of the squad in security missions.
3. Commands and controls the support squad in a defensive action.	3. Knows how to employ the squad in a defensive action.	3. Is responsible for the effective employment of the squad in a defensive action.
4. Selects and reconnoiters positions for the squad in a defensive position.	4. Knows how to select and reconnoiter positions for the squad in a defensive position.	4. Is responsible for selecting and reconnoitering positions for the squad.

Support Squad Leader

Operations	Knowledge Factors	Responsibilities
5. Commands and controls the squad in a delaying action.	5. Knows how to employ the squad in a delaying action.	5. Is responsible for the effective employment of the squad in a delaying action.
6. Commands and controls the squad in the preparation and conduct of a night attack.	6. Knows how to employ the squad in a night attack.	6. Is responsible for the effective employment of the squad in a night attack.
7. Commands and controls the squad in setting up blocking positions and roadblocks.	7. Knows the employment of the squad in setting up blocking positions and roadblocks.	7. Is responsible for the effective employment of the squad in setting up blocking positions and roadblocks.
8. Commands and controls the support squad as part of a combined arms team (scramble).	8. Knows how to employ the squad as part of a combined arms team (scramble).	8. Is responsible for the effective employment of the squad in a combined arms team (scramble).
9. Commands and controls the squad in damage control operations.	9. Knows the employment of the squad in damage control operations.	9. Is responsible for the effective employment of the squad in damage control operations.
10. Commands and controls the squad in airmobile operations.	10. Knows how to employ the squad in airmobile operations.	10. Is responsible for the effective employment of the squad in airmobile operations.
11. Commands and controls the support squad in the tactical employment of helicopter-borne armored cavalry teams.	11. Knows the tactical employment of the squad in helicopter-borne armored cavalry teams.	11. Is responsible for the effective tactical employment of the squad in helicopter-borne armored cavalry teams.
12. Commands and controls the squad in nuclear warfare, takes precautionary measures against the effects of nuclear explosions, and checks the squad for contamination.	12. Knows the employment of the squad in nuclear warfare, and knows the nature and extent of nuclear explosions and their effects on personnel and vehicles.	12. Is responsible for the proper employment of the squad in nuclear warfare, and for insuring that support squad personnel are trained in passive defense against nuclear explosions.
	13. Knows the tactical considerations involved in the employment of CBR agents.	
14. Commands and controls the squad in CBR monitoring and survey operations.	14. Knows how to employ the squad in CBR monitoring and survey operations.	14. Is responsible for the effective employment of the squad in CBR monitoring and survey operations.
15. Selects the formations and methods of advance for the support squad.	15. Knows the formations and methods of advance for the squad.	15. Is responsible for employing the proper formation and method of advance for the squad, as the situation requires.
16. Guides the squad through or around obstacles in a manner which insures safe passage.	16. Knows typical obstacles encountered by armored cavalry units; knows the ways to overcome them.	16. Is responsible for the employment of the proper ways to overcome obstacles encountered by the squad.

Operations	Knowledge Factors	Responsibilities
17. Supervises and assists in the construction and employment of obstacles used in armored cavalry tactics.	17. Knows methods and techniques of constructing and employing obstacles used in armored cavalry tactics.	17. Is responsible for constructing and employing obstacles used in armored cavalry tactics.
18. Prepares for and conducts armored cavalry marches at support squad level.	18. Knows how to prepare for and conduct armored cavalry marches at platoon level.	18. Is responsible for preparing the squad for an armored cavalry march, and for conducting the squad during the march.
19. Prepares and issues operations orders at support squad level.	19. Knows operations orders, including written, oral, fragmentary, and warning orders.	19. Is responsible for issuing clear, concise, timely orders.
	20. Knows the capabilities of the 4.2 mortar.	20. Is responsible for the effective employment of the 4.2 mortar.
	21. Knows the capabilities of the 4.2 mortar platoon.	
	22. Knows the objectives and functions of combat intelligence.	
23. Commands and controls the squad in the collecting and reporting of combat information.	23. Knows the combat intelligence responsibilities of the support squad leader and of squad personnel.	23. Is responsible for the collecting and reporting of combat information.
24. Observes, collects, and reports combat information.	24. Knows the methods and techniques of observing, collecting, and reporting combat information.	24. Is responsible for using proper methods to observe, collect, and report combat information.
	25. Knows the basic characteristics of aggressor armor, infantry, and artillery, including equipment, organization, and combat methods.	
26. Supervises support squad personnel in a manner which insures that security information is controlled on a need-to-know basis.	26. Knows how to safeguard military information; knows the various classifications of security materials, the basic safeguards, and the provisions of AR 380-5.	26. Is responsible for safeguarding all security material and military information of which he has knowledge, and for insuring that squad personnel also safeguard sensitive materials and information.
27. Requests and adjusts artillery and mortar fire, and utilizes the correct fire procedures.	27. Knows how to request and adjust artillery and mortar fire; knows observed fire procedures.	27. Is responsible for requesting artillery and mortar fire, and for relaying correct target data and range and deflection changes to insure coverage of the target area.

Support Squad Leader

Operations	Knowledge Factors	Responsibilities
28. Commands and controls the support squad in preparing and marking a drop zone and landing strip during the daytime or at night.	28. Knows how to prepare and mark a drop zone and landing strip during the daytime or at night.	28. Is responsible for preparing and marking drop zones and landing strips during the daytime or at night.
29. Requests and recovers supplies delivered by aerial means.	29. Knows how to request and recover supplies delivered by aerial means.	29. Is responsible for requesting and recovering supplies delivered by aerial means, as required.
30. Selects and marks drop zones for aerial resupply, using the proper techniques.	30. Knows the techniques for selecting and marking drop zones for aerial resupply. 31. Knows the coordination and control techniques used by ground elements in employing Army aircraft.	30. Is responsible for selecting and marking drop zones for aerial resupply.
32. Requests and directs air-ground operations as required.	32. Knows how to direct air-ground operations. 33. Knows of Army aviation missions which directly support armored cavalry operations.	32. Is responsible for directing air-ground operations as required.
34. Supervises and assists in preparing and utilizing the mortar carrier for crossing streams and rivers.	34. Knows how to prepare and utilize the mortar carrier for crossing streams and rivers.	34. Is responsible for insuring that the proper methods and techniques are utilized in crossing streams and rivers with the mortar carrier.
35. Commands and controls the support squad in the use of mine detection equipment organic to the armored cavalry platoon.	35. Knows mine detection equipment; knows how it is employed.	35. Is responsible for the proper employment of mine detection equipment by support squad personnel.
36. Supervises and assists in the laying and breaching of minefields encountered by the support squad, and requests support as required.	36. Knows the various types of mines and minefields, and the various methods of laying and breaching minefields.	36. Is responsible for laying, identifying, and breaching minefields.
37. Marks, records, and reports minefields.	37. Knows the methods and techniques of marking, recording, and reporting minefields.	37. Is responsible for insuring that squad personnel know the proper methods and techniques of marking, recording, and reporting minefields.
38. Uses the methods and techniques of classifying bridges and routes.	38. Knows the methods and techniques of classifying bridges and routes. 39. Knows the influence of the enemy, terrain, and weather on armored cavalry operations.	38. Is responsible for correctly classifying bridges and routes, and for insuring that support squad personnel know the proper methods and techniques.

Operations	Knowledge Factors	Responsibilities
	40. Knows the organization and mission of the armored cavalry platoon.	
	41. Knows the purposes and the various types of armored cavalry retrograde movements.	
	42. Knows the conduct of defense by the armored cavalry platoon.	
	43. Knows the role of the armored cavalry platoon in amphibious operations.	
	44. Knows all types of combat formations and methods of advance for the platoon.	
	45. Knows how to change correctly from one platoon formation to another, as necessary.	45. Is responsible for insuring that the support squad reacts quickly and properly in changing platoon formations.
	46. Knows the organization and employment of integrated teams for combat action.	
	47. Knows the organization and mission of the armored cavalry troop.	
	48. Knows the classes of supply and technical services.	
	49. Knows the characteristics, capabilities, and limitations of field artillery weapons and missiles.	
	50. Knows supply, medical evacuation, and maintenance procedures used in providing support to armored cavalry troops in offensive and defensive operations.	

Job Duties: Communication Subjects and Skills

1. Uses the phonetic alphabet as necessary.	1. Knows the phonetic alphabet; knows when it is used.	1. Is responsible for seeing that support squad personnel use the phonetic alphabet properly, as required.
2. Uses proper radiotelephone procedure.	2. Knows standard radiotelephone procedure, including prowords, corrections, relaying, etc.	2. Is responsible for seeing that support squad personnel use correct radiotelephone procedure.

Support Squad Leader

Operations	Knowledge Factors	Responsibilities
3. Uses proper radio communications interphone procedure and language.	3. Knows radio communications interphone procedure and language.	3. Is responsible for insuring that squad personnel use proper radio communications interphone procedure and language.
4. Opens, closes, and enters radio nets.	4. Knows radio nets.	4. Is responsible for properly opening, closing, and entering radio nets.
5. Operates and maintains the standard radio organic to the support squad in an armored cavalry platoon.	5. Knows the characteristics, operational techniques, and user maintenance of the standard radio organic to the support squad in an armored cavalry platoon.	5. Is responsible for properly operating and maintaining the standard radio organic to the support squad in an armored cavalry platoon.
6. Installs, operates, and performs user maintenance on field wire equipment employed within the armored cavalry platoon.	6. Knows how to install, operate, and perform user maintenance on field wire equipment employed within the armored cavalry platoon.	6. Is responsible for installing, operating, and performing user maintenance on field wire equipment employed within the armored cavalry platoon.
	7. Knows the standard series radio sets, including general characteristics and numerical and frequency allocations.	7. Is responsible for maintaining communication within the platoon, and between the platoon and other elements, as required.
8. Formulates, transmits, and dispatches all messages as required at squad level.	8. Knows how to formulate, transmit, and dispatch all messages as required at squad level.	8. Is responsible for proper formulation, transmission, and dispatch of all messages as required at squad level.
9. Reads, interprets, and follows SOI extracts.	9. Knows the content, purpose, and use of SOI extracts, and the necessary safeguards.	9. Is responsible for insuring that the support squad follows SOI extracts, and for preserving security in the squad.
10. Employs authentication procedures and techniques as required.	10. Knows authentication procedures and techniques.	10. Is responsible for the authentication procedures used within the squad.
11. Uses codes and ciphers as required.	11. Knows codes and ciphers.	11. Is responsible for using proper codes and ciphers in communications.
12. Recognizes enemy jamming signals, and takes proper countermeasures against them.	12. Knows jamming procedures and countermeasures.	12. Is responsible for getting the message through enemy jamming.
13. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	13. Knows arm and hand, flag, flashlight, and panel signals.	13. Is responsible for proper execution and interpretation of signals by the support squad.
	14. Knows radio nets up to and including troop.	14. Is responsible for contacting and coordinating with higher headquarters as required.

Operations	Knowledge Factors	Responsibilities
15. Inspects signal equipment found within the support squad; uses the appropriate maintenance forms.	15. Knows the inspection procedures and techniques used in inspecting signal equipment within the squad; knows the appropriate maintenance forms to use.	15. Is responsible for inspecting the signal equipment within the squad, and is responsible for filling out the proper maintenance forms.
Job Duties: General Subjects		
1. Uses the compass to determine location and indicate direction during both day and night movements.	1. Knows use of the compass during day and night movements.	1. Is responsible for leading the support squad accurately by compass during daylight and darkness.
2. Uses the techniques and methods of orienting conventional military maps; uses the map scale in the measurement of distance.	2. Knows the techniques and methods of orienting conventional military maps; knows how to use the map scale in the measurement of distance.	2. Is responsible for orienting military maps properly, and for correctly using the map scale in the measurement of distance.
3. Uses maps to determine elevation and recognize ground forms from contour lines.	3. Knows how to use a map to determine elevation and recognize ground forms from contour lines.	3. Is responsible for correctly determining elevation and for recognizing ground forms from contour lines when using maps, to insure that the support squad moves over the correct routes.
4. Uses the various types of grid systems, and methods of expressing location by grid coordinates.	4. Knows the various types of grid systems; knows methods of expressing location by grid coordinates.	4. Is responsible for expressing location by use of grid coordinates.
5. Interprets and uses the conventional signs and symbols appearing on military maps.	5. Knows the conventional signs and symbols used on military maps.	5. Is responsible for correctly interpreting signs and symbols used on military maps.
6. Uses the methods and techniques of intersection and resection in finding location with military maps.	6. Knows the methods and techniques of intersection and resection in using military maps.	6. Is responsible for knowing support squad locations on the ground at all times.
7. Uses and interprets aerial photographs.	7. Knows how to use and interpret aerial photographs.	7. Is responsible for employing aerial photographs in executing support squad missions.
8. Uses the techniques for determining the map scale from photo maps.	8. Knows the techniques for determining the map scale from photo maps.	8. Is responsible for correctly determining the map scale from photo maps.
9. Prepares sketch maps as required.	9. Knows map sketching techniques.	9. Is responsible for preparation of legible sketch maps.
	10. Knows the basic principles of terrain analysis.	10. Is responsible for the proper employment of the squad, utilizing the terrain to the greatest advantage.

Support Squad Leader

Operations	Knowledge Factors	Responsibilities
	11. Knows the effects of climate and weather on terrain.	11. Is responsible for moving the squad over the most favorable terrain, taking into account the effects of climate and weather on terrain.
12. Instructs and supervises support squad personnel in proper preventive health measures, both in garrison and in the field.	12. Knows practical measures for the preservation of health and prevention of disease.	12. Is responsible for the health and welfare of squad personnel at all times.
13. Uses the basic principles of first aid in handling simple and compound fractures and in giving emergency aid to personnel who become casualties.	13. Knows the basic principles of first aid.	13. Is responsible for insuring that squad personnel know how to administer emergency aid, and that anyone receiving a wound is given immediate and appropriate emergency aid.
14. Supervises and assists in the removal of casualties from armored vehicles, and reports the occurrence of a casualty.	14. Knows proper procedures for removing casualties from armored vehicles.	14. Is responsible for using the proper methods of removing casualties from armored vehicles.
	15. Knows the duties and responsibilities of the platoon sergeant and of armored cavalry platoon personnel.	
16. Maintains discipline, morale, and <u>esprit de corps</u> in the support squad at all times.	16. Knows the traits and basic qualities of the leader; knows the principles and techniques of military leadership.	16. Is responsible for employment of methods and techniques to insure high morale, discipline, and <u>esprit de corps</u> in the squad.
17. Uses proper troop-leading procedures.	17. Knows the methods and techniques of proper troop leading.	17. Is responsible for the welfare of his men, and sets an example to follow as leader of the squad.
18. Conducts dismounted drill.	18. Knows how to conduct dismounted drill.	18. Is responsible for instructing the support squad on all platoon formations, and for the functioning of the squad when it participates in platoon formations.
19. Supervises and conducts physical fitness classes.	19. Knows how to conduct physical fitness classes.	19. Is responsible for insuring that all personnel in the support squad can pass a normal and reasonable physical fitness test.
20. Presents oral instruction, utilizing practical work and demonstrations to illustrate the teaching principles; conducts critiques.	20. Knows the principles, methods, and techniques of teaching.	20. Is responsible for instructing the support squad as required.
21. Prepares training schedules for the support squad.	21. Knows how to prepare training schedules for the squad.	21. Is responsible for preparing training schedules for the squad.

Operations	Knowledge Factors	Responsibilities
22. Prepares and directs small unit tactical training exercises.	22. Knows correct tactical employment of the support squad, and the principles and procedures for preparing and conducting small unit tactical training exercises.	22. Is responsible for training the squad for combat by preparing and conducting small unit type problems.
23. Uses the bayonet and the techniques of unarmed defense.	23. Knows the techniques of using the bayonet; knows the techniques of unarmed defense.	23. Is responsible for insuring that support squad personnel can utilize the bayonet and the techniques of unarmed defense.
24. Supervises and assists in the camouflage of the support squad as appropriate and necessary.	24. Knows the basic principles and techniques of camouflage.	24. Is responsible for insuring that squad personnel use the proper camouflage techniques.
25. Commands and controls the support squad in the use of explosives and use of the demolition card.	25. Knows the various types of military explosives and their use and knows the use of the demolition card.	25. Is responsible for the effective use of military explosives used by the support squad.
26. Commands, controls, and instructs the support squad in the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	26. Knows the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	26. Is responsible for insuring that squad personnel fully understand and apply the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.
	27. Knows the principles and fundamentals of military justice.	27. Is responsible for seeing that support squad personnel are aware of the behavior expected under a military system, and of their rights under a military system.
	28. Knows the organization and function of the medical service in the troop.	28. Is responsible for requesting the aid of the medical service as required.
29. Conducts inspections of the support squad.	29. Knows the principles, techniques, and mechanics of preparing for and conducting a command inspection of the support squad.	29. Is responsible for insuring that the squad maintains the standards required by higher headquarters.

Job Duties: Gunnery, Weapons, and Materiel

1. Senses and detects enemy targets.	1. Knows the techniques of sensing and detecting enemy targets.	1. Is responsible for locating and taking enemy targets under fire.
2. Engages stationary and moving targets with the 4.2 mortar, using the proper methods and techniques.	2. Knows the methods and techniques of engaging stationary and moving targets with the 4.2 mortar.	2. Is responsible for giving the proper fire commands to engage stationary or moving targets with the 4.2 mortar.
3. Uses the various methods of determining range; uses the mil formula and binoculars.	3. Knows the various methods of determining range; knows the mil formula; knows the use and inspection of binoculars.	3. Is responsible for insuring that support squad personnel know how to determine range and how to use the mil formula and binoculars.

Support Squad Leader

Operations	Knowledge Factors	Responsibilities
4. Uses and employs the aiming circle.	4. Knows the operation and use of the aiming circle.	4. Is responsible for using the aiming circle properly.
5. Prepares and uses range cards.	5. Knows how to prepare and fire from a range card.	5. Is responsible for properly preparing and firing from a range card.
6. Prepares firing charts, determines firing data, and plots new data for the 4.2 mortar; conducts fire of the weapon.	6. Knows the characteristics, nomenclature, mounting, dismounting, M-34 sight, sight setting, positions, ammunition, firing tables, and fire commands for the 4.2 mortar.	6. Is responsible for the effective firing and employment of the 4.2 mortar.
	7. Knows the various types of mortar ammunition, and their characteristics, nomenclature, functioning, marking, care, handling, and storage.	
8. Commands and controls the support squad in mounting, dismounting, sighting, positioning, and firing the 4.2 mortar.	8. Knows the organization and duties of the squad in handling ammunition, in preparations for firing, and in mounted and dismounted positions.	8. Is responsible for insuring that squad personnel operate as an efficient team in firing the 4.2 mortar.
9. Uses the terminology and fire commands in firing the 4.2 mortar.	9. Knows the proper terminology and fire commands for firing the 4.2 mortar.	9. Is responsible for using proper terminology and fire commands in firing the 4.2 mortar.
10. Controls and distributes the fire of the support squad.	10. Knows how to control and distribute the fire of the squad.	10. Is responsible for the effective control and distribution of squad fire.
	11. Knows the principles of fire control and the conduct of platoon and squad fire with the 4.2 mortar.	
12. Commands and controls the fire for the mortar platoon as required.	12. Knows how to control and distribute the fire of the mortar platoon.	12. Is responsible for the effective fire of the mortar platoon as required.
	13. Knows the necessary crew safety precautions for operating and firing the mortar.	13. Is responsible for insuring that support squad personnel know the safety precautions to be taken in operating and firing the mortar.
14. Fires and qualifies with the M-14 rifle.	14. Knows the characteristics, nomenclature, inspection, immediate action, and malfunctions of the M-14 rifle; knows the proper aiming and firing techniques employed in firing the weapon.	14. Is responsible for acquiring firing skill, and for instructing support squad personnel in proper firing techniques, on the M-14 rifle.

Operations	Knowledge Factors	Responsibilities
15. Fires and qualifies with the caliber .45 pistol.	15. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, and inspection of the caliber .45 pistol; knows the aiming and firing techniques employed in firing the weapon.	15. Is responsible for acquiring firing skill, and for instructing support squad personnel in proper firing techniques, on the caliber .45 pistol.
16. Fires and qualifies with the caliber .50 machine gun.	16. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, and inspection of the caliber .50 machine gun; knows the aiming and firing techniques employed in firing the weapon. Knows the mounting, dismounting, loading, etc.	16. Is responsible for acquiring firing skill, and for instructing support squad personnel in proper firing techniques, on the caliber .50 machine gun.
*17. Fires and qualifies with the 3.5 rocket launcher. ¹	*17. Knows the nomenclature, safety precautions, loading, immediate action, sighting, and aiming of the 3.5 rocket launcher.	*17. Is responsible for acquiring firing skill, and for instructing support squad personnel in proper firing techniques, on the 3.5 rocket launcher.
	18. Knows the armament, controls, and equipment of the armored mortar carrier.	
19. Inspects the maintenance of controls and equipment on the armored mortar carrier.	19. Knows the proper procedures for inspecting the maintenance of controls and equipment on the armored mortar carrier.	19. Is responsible for insuring that the maintenance of controls and equipment on the armored mortar carrier is properly carried out.
20. Uses hand grenades as required.	20. Knows the various types of hand grenades, and the particular value and use of each as a weapon.	20. Is responsible for training support squad personnel in the proper use of hand grenades, and in the safety precautions to be taken in using them.
21. Conducts small arms inspections.	21. Knows the conduct and techniques of small arms inspection.	21. Is responsible for insuring that small arms within the support squad are properly maintained and are in firing condition.

¹The equipment specified in Item 17 is not listed in the TOE, but some units still have the equipment.

**COMBAT JOB REQUIREMENTS
FOR MORTAR GUNNER (MOS 112.1), ASSISTANT GUNNER (MOS 112.0),
AND AMMUNITION BEARER (MOS 112.0)**

Job Duties: Automotive Subjects and Skills

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| 1. Drives the standard types of armored mortar carriers as required. | 1. Knows the general characteristics, performance capabilities, controls and instruments, proper driving practices, rules of the road, and operation under climatic extremes for the armored mortar carrier. | 1. Is responsible for using proper driving practices at all times as required. |
| | 2. Knows the personnel, tools, and equipment used to accomplish maintenance services at support squad level. | |

Job Duties: Armored Cavalry Employment

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| | 1. Knows the capabilities of the 4.2 mortar. | |
| | 2. Knows the employment of the support squad in all types of reconnaissance missions. | |
| | 3. Knows the employment of the support squad in all types of security missions. | |
| | 4. Knows the employment of the support squad in all types of special missions. | |
| | 5. Knows the employment of the support squad in a delaying action. | |
| | 6. Knows the employment of the support squad in blocking positions and roadblocks. | |
| | 7. Knows the employment of the support squad as part of a combined arms team (scramble). | |
| 8. Assists the support squad in the preparation for and conduct of a night attack. | 8. Knows how the support squad prepares for and conducts a night attack. | 8. Is responsible for assisting the squad in the preparation for and conduct of a night attack. |
| 9. Commands and controls the support squad in all types of missions as required. | 9. Knows the employment of the squad in all types of missions. | 9. Is responsible for the effective employment of the squad in all types of missions as required. |

Operations	Knowledge Factors	Responsibilities
10. Conducts the support squad in defensive actions as required.	10. Knows the conduct of defense by the squad.	10. Is responsible for the effective employment of the support squad in defensive actions as required.
11. Selects and reconnoiters positions for the support squad as required.	11. Knows how to select and reconnoiter positions for the squad.	11. Is responsible for selecting and reconnoitering positions for the squad as required.
12. Assists in the preparation of the armored mortar carrier for crossing streams and rivers.	12. Knows the preparation of the armored mortar carrier for crossing streams and rivers.	12. Is responsible for assisting in the preparation of the armored mortar carrier for crossing streams and rivers.
13. Uses the basic protective measures before and after nuclear and thermonuclear explosions to protect himself and equipment; checks himself and equipment for contamination.	13. Knows the basic protective measures to employ before and after nuclear and thermonuclear explosions; knows the nature and extent of nuclear explosions, and their effects on personnel and vehicles.	13. Is responsible for employing the basic protective measures before and after nuclear or thermonuclear explosions, and for making a passive defense against nuclear explosions.
14. Requests and adjusts artillery and mortar fire.	14. Knows how to request and adjust artillery and mortar fire; knows proper fire procedures.	14. Is responsible for requesting and adjusting artillery and mortar fire, and for relaying correct target data and range and deflection changes to insure coverage of the target area.
	15. Knows the various types of operations orders, including oral, fragmentary, and warning orders.	
	16. Knows the march terms, and the conduct of armored cavalry platoon marches.	
	17. Knows the objectives and functions of combat intelligence.	
	18. Knows the combat intelligence responsibilities of the personnel in the support squad.	
19. Observes, collects, and reports combat information accurately.	19. Knows the methods and techniques of observing, collecting, and reporting combat information.	19. Is responsible for the collecting and reporting of all combat information.
	20. Knows how to safeguard military information; knows the various classifications of security materials, the basic safeguards, and the provisions of AR 380-5.	20. Is responsible for safeguarding all security materials and military information of which he has knowledge, and for insuring that support squad personnel also safeguard sensitive materials and information.

Operations	Knowledge Factors	Responsibilities
	21. Knows the basic characteristics of aggressor armor, infantry, and artillery, including equipment, organization, and combat methods.	
	22. Knows the capabilities of the 4.2 mortar platoon.	
	23. Knows the organization and mission of the armored cavalry platoon.	
	24. Knows of supply, medical evacuation, and maintenance procedures used in providing support to armored cavalry troops in offensive and defensive operations.	

Job Duties: Communication Subjects and Skills

1. Uses the phonetic alphabet as necessary.	1. Knows the phonetic alphabet; knows when it is used.	1. Is responsible for using the phonetic alphabet as required.
2. Uses standard radiotelephone procedure, including prowords, corrections, relaying, etc.	2. Knows standard radiotelephone procedure, including prowords, corrections, relaying, etc.	2. Is responsible for using proper radiotelephone procedure.
3. Opens, closes, and enters radio nets.	3. Knows radio nets.	3. Is responsible for opening, closing, and entering radio nets correctly.
	4. Knows radio nets up to and including troop.	
5. Operates and maintains the standard radio organic to the support squad in an armored cavalry platoon.	5. Knows the characteristics, operational techniques, and user maintenance of the standard radio organic to the support squad in an armored cavalry platoon.	5. Is responsible for properly operating and maintaining the standard radio organic to the support squad in an armored cavalry platoon.
6. Installs, operates, and performs user maintenance on field wire equipment employed within the armored cavalry platoon.	6. Knows the installation and operation of field wire equipment employed within the armored cavalry platoon; knows user maintenance performed on the equipment.	6. Is responsible for the installation and operation of field wire equipment employed within the armored cavalry platoon, and for user maintenance performed on the equipment.
	7. Knows the standard series radio sets, including general characteristics and numerical and frequency allocations.	

Operations	Knowledge Factors	Responsibilities
8. Reads, interprets, and follows SOI extracts.	8. Knows the content, purpose, and use of SOI extracts; knows the necessary safeguards.	8. Is responsible for following SOI extracts and for preserving security in the support squad.
9. Employs authentication procedures and techniques as required.	9. Knows authentication procedures and techniques.	9. Is responsible for authentication procedures within the support squad.
10. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	10. Knows arm and hand, flag, flashlight, and panel signals.	10. Is responsible for proper execution and interpretation of signals by the support squad.
Job Duties: General Subjects		
1. Interprets and uses the conventional signs and symbols appearing on military maps.	1. Knows the conventional signs and symbols used on military maps.	1. Is responsible for correctly interpreting signs and symbols used on military maps.
2. Uses the compass to determine location and indicate direction during both day and night movements.	2. Knows uses of the compass during day and night movements.	2. Is responsible for knowing how to determine location and indicate direction with the compass, during both day and night movements.
3. Uses the proper techniques and methods to orient conventional military maps; uses the map scale in the measurement of distance.	3. Knows the techniques and methods of orienting conventional military maps; knows how to use the map scale in the measurement of distance.	3. Is responsible for orienting military maps properly, and for using the map scale correctly in the measurement of distance.
4. Uses maps to determine elevation and recognize ground forms from contour lines.	4. Knows how to use a map to determine elevation and recognize ground forms from contour lines.	4. Is responsible for correctly determining elevation and recognizing ground forms from contour lines in using maps.
5. Uses the various types of grid systems, and the methods of expressing location by grid coordinates.	5. Knows the various types of grid systems, and the methods of expressing location by grid coordinates.	5. Is responsible for expressing location by the use of grid coordinates.
6. Uses the methods and techniques of intersection and resection in finding location with military maps.	6. Knows the methods and techniques of intersection and resection in using military maps.	6. Is responsible for finding his location on military maps by the use of intersection and resection.
	7. Knows the basic principles of terrain analysis.	
8. Uses the bayonet and the techniques of unarmed defense as necessary.	8. Knows how to use the bayonet; knows the techniques of unarmed defense.	8. Is responsible for knowing how to fight with the bayonet and for using the techniques of unarmed defense properly as necessary.
9. Uses explosives and uses the demolition card.	9. Knows the fundamentals of military explosives; knows the use of the demolition card.	9. Is responsible for using military explosives and the demolition card correctly.

Mortar Gunner, Assistant Gunner, Ammunition Bearer

Operations	Knowledge Factors	Responsibilities
10. Assists in the camouflage of the rifle squad or fire team (support squad) as appropriate and necessary.	10. Knows the basic principles and techniques of camouflage.	10. Is responsible for using proper camouflage techniques.
11. Uses the basic principles of first aid in giving emergency treatment to personnel who become casualties.	11. Knows emergency aid procedures.	11. Is responsible for knowing how to administer emergency aid, and for insuring that anyone who receives a wound is given immediate and appropriate emergency aid.
12. Assists in the removal of casualties from vehicles, and reports the occurrence of a casualty.	12. Knows proper procedures for removing casualties from vehicles and for reporting a casualty.	12. Is responsible for using the proper procedures for removing casualties from vehicles, and for insuring that a casualty is reported properly.
13. Uses practical field measures for the preservation of health and prevention of disease.	13. Knows practical measures for the preservation of health and prevention of disease.	13. Is responsible for utilizing the proper procedures for maintaining his personal health and hygiene, in garrison and in the field.
	14. Knows the methods and techniques used to develop and maintain efficiency, discipline, morale, and <u>esprit de corps</u> in combat.	
	15. Knows the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	15. Is responsible for applying the principle of the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.
	16. Knows the principles and fundamentals of military justice.	

Job Duties: Gunnery, Weapons, and Materiel

1. Senses and detects enemy targets.	1. Knows the techniques of sensing and detecting enemy targets.	1. Is responsible for locating and taking enemy targets under fire.
2. Engages stationary and moving targets with the 4.2 mortar, using the proper methods and techniques.	2. Knows the methods and techniques of engaging stationary and moving targets with the 4.2 mortar.	2. Is responsible for using the correct methods and techniques in engaging stationary and moving targets with the 4.2 mortar.
3. Uses the various methods of determining range; uses the mil formula and binoculars.	3. Knows the various methods of determining range; knows the use of the mil formula, and the use and inspection of binoculars.	3. Is responsible for using the proper methods of determining range and of using the mil formula and binoculars.

Operations	Knowledge Factors	Responsibilities
4. Prepares and fires from a range card.	4. Knows how to prepare and fire from a range card.	4. Is responsible for the preparation of range cards and for firing correctly from the data on range cards.
5. Uses the aiming circle.	5. Knows the operation and use of the aiming circle.	5. Is responsible for using the aiming circle properly.
6. Uses the proper terminology and fire commands in firing the mortar.	6. Knows the proper terminology and sequence of fire commands for firing the mortar.	6. Is responsible for using the proper terminology and for responding correctly to fire commands.
7. Prepares firing charts, determines firing data, and plots new data for the 4.2 mortar; conducts 4.2 mortar fire.	7. Knows the characteristics, nomenclature, mounting, dismounting, M-34 sight, sight setting, positions, ammunition, firing tables, and fire commands for the 4.2 mortar.	7. Is responsible for using the proper methods and techniques in firing the 4.2 mortar.
	8. Knows the organization and duties of the support squad in handling ammunition, in preparations for firing, and in mounted and dismounted positions.	
	9. Knows the various types and characteristics of mortar ammunition, including nomenclature, functioning, marking, care, handling, and storage.	
	10. Knows the necessary crew safety precautions to be taken in operating and firing the mortar.	10. Is responsible for observing all safety precautions in operating and firing the mortar.
11. Controls and distributes the weapons fire of the support squad as necessary.	11. Knows how to control and distribute support squad weapons fire.	11. Is responsible for controlling and distributing squad weapons fire as necessary.
	12. Knows the principles of fire control and the conduct of platoon and squad fire with the 4.2 mortar.	
13. Fires and qualifies with the M-14 rifle.	13. Knows the characteristics, nomenclature, inspection, immediate action, and malfunctions of the M-14 rifle; knows the proper aiming and firing techniques employed in firing the weapon.	13. Is responsible for acquiring firing skill on the M-14 rifle, and for maintaining the weapon.
14. Fires and qualifies with the caliber .45 pistol.	14. Knows the characteristics, nomenclature, inspection, immediate action, and malfunctions of the caliber .45 pistol; knows the aiming and firing techniques employed in firing the weapon.	14. Is responsible for acquiring firing skill on the caliber .45 pistol, and for maintaining the weapon.

Mortar Gunner, Assistant Gunner, Ammunition Bearer

Operations	Knowledge Factors	Responsibilities
15. Fires and qualifies with the caliber .50 machine gun.	15. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, and inspection of the caliber .50 machine gun; knows the aiming and firing techniques employed in firing the weapon.	15. Is responsible for acquiring firing skill on the caliber .50 machine gun, and for maintaining the weapon.
16. Uses hand grenades as required.	16. Knows the various types of hand grenades, and the particular value and use of each as a weapon.	16. Is responsible for using hand grenades properly, and for applying the safety precautions to be taken in using them.
	17. Knows the armament, controls, and equipment on the armored mortar carrier.	
18. Inspects the maintenance of controls and equipment on the armored mortar carrier.	18. Knows the proper procedures for inspecting the maintenance of controls and equipment on the armored mortar carrier.	18. Is responsible for seeing that the maintenance of controls and equipment on the armored mortar carrier is properly carried out.

**COMBAT JOB REQUIREMENTS
FOR MORTAR CARRIER DRIVER (MOS 112.1)**

Operations	Knowledge Factors	Responsibilities
Job Duties: Automotive Subjects and Skills		
1. Performs first echelon maintenance and assists in performing second echelon maintenance on the armored mortar carrier.	1. Knows the first and second echelons of the Army System of Maintenance; knows the daily maintenance on the armored mortar carrier.	1. Is responsible for performing first echelon maintenance and for assisting in second echelon maintenance on the armored mortar carrier.
2. Drives the standard types of armored mortar carriers.	2. Knows the general characteristics, performance capabilities, controls and instruments, proper driving practices, rules of the road, and operation under climatic extremes, for the armored mortar carrier. 3. Knows the general characteristics and performance capabilities of track vehicles.	2. Is responsible for using proper driving practices at all times.
4. Employs the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at rifle squad level.	4. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at rifle squad level. 5. Knows the forms and records, technical manuals, and lubrication orders used in first echelon maintenance services at platoon level.	4. Is responsible for seeing that all maintenance checks are properly performed, and that deficiencies are noted and properly communicated.
6. Assists maintenance personnel, and uses the tools and equipment to accomplish maintenance services at rifle squad and platoon levels.	6. Knows the personnel, tools, and equipment used to accomplish maintenance services at rifle squad and platoon levels.	6. Is responsible for assisting maintenance personnel in accomplishing their duties, and for properly employing the tools and equipment used in performing the maintenance.
7. Utilizes field expedients and vehicle recovery techniques on the armored mortar carrier, using the tools and equipment available at rifle squad and platoon levels.	7. Knows the field expedients and vehicle recovery techniques used on armored mortar carriers; knows the tools and equipment available at rifle squad and platoon levels to accomplish these tasks. 8. Knows the recovery vehicles and equipment available at immediately supporting echelons, such as troop.	7. Is responsible for utilizing the correct field expedients and vehicle recovery techniques on armored mortar carriers, and for properly using the tools and equipment available at rifle squad and platoon levels to accomplish these tasks. 8. Is responsible for requesting aid from immediately supporting echelons as necessary.

Operations	Knowledge Factors	Responsibilities
9. Uses the infrared devices normally found on armored mortar carriers as required.	9. Knows how to use the infrared devices normally found on the armored mortar carrier; knows how to install and maintain the devices. 10. Knows maintenance inspections and inspection procedures.	9. Is responsible for properly installing, maintaining, and using the infrared devices normally found on the armored mortar carrier.
Job Duties: Armored Cavalry Employment		
	1. Knows the capabilities of the 4.2 mortar.	
	2. Knows the employment of the support squad in all types of reconnaissance missions.	
	3. Knows the employment of the support squad in all types of security missions.	
	4. Knows the employment of the support squad in all types of special missions.	
	5. Knows the employment of the support squad in a delaying action.	
	6. Knows the employment of the support squad in blocking positions and roadblocks.	
	7. Knows the employment of the support squad as part of a combined arms team (scramble).	
8. Assists the support squad in preparing for and conducting a night attack.	8. Knows how the support squad prepares for and conducts a night attack.	8. Is responsible for assisting the support squad in preparing for and conducting a night attack.
9. Commands and controls the support squad in all types of missions as required.	9. Knows the employment of the squad in all types of missions.	9. Is responsible for the effective employment of the squad in all types of missions as required.
10. Conducts the support squad in a defensive action as required.	10. Knows the conduct of defense by the support squad.	10. Is responsible for the effective employment of the squad in a defensive action as required.
11. Selects and reconnoiters positions for the support squad as required.	11. Knows how to select and reconnoiter positions for the squad.	11. Is responsible for selecting and reconnoitering positions for the squad as required.
12. Assists in the preparation of the armored mortar carrier for crossing streams and rivers.	12. Knows the preparation of the armored mortar carrier for crossing streams and rivers.	12. Is responsible for assisting in the preparation of the armored mortar carrier for crossing streams and rivers.

Operations	Knowledge Factors	Responsibilities
13. Uses the basic protective measures before and after nuclear and thermonuclear explosions to protect himself and equipment, and checks himself and equipment for contamination.	13. Knows the basic protective measures to employ before and after nuclear and thermonuclear explosions; knows the nature and extent of nuclear explosions, and their effects on personnel and vehicles.	13. Is responsible for employing the basic protective measures before and after nuclear or thermonuclear explosions, and for taking a passive defense against nuclear explosions.
14. Requests and adjusts artillery and mortar fire.	14. Knows how to request and adjust artillery and mortar fire; knows proper fire procedures.	14. Is responsible for requesting and adjusting artillery and mortar fire, and for relaying correct target data and range and deflection changes to insure coverage of the target area.
	15. Knows the various types of operations orders, including oral, fragmentary, and warning orders.	
	16. Knows the march terms, and the conduct of armored cavalry platoon marches.	
	17. Knows the objectives and functions of combat intelligence.	
	18. Knows the combat intelligence responsibilities of the personnel in the support squad.	
19. Observes, collects, and reports combat information accurately.	19. Knows the methods and procedures for observing, collecting, and reporting combat information.	19. Is responsible for the collecting and reporting of all combat information.
	20. Knows how to safeguard military information; knows the various classifications of security materials, the basic safeguards, and the provisions of AR 380-5.	20. Is responsible for safeguarding all security materials and military information of which he has knowledge, and for insuring that support squad personnel also safeguard sensitive materials and information.
	21. Knows the basic characteristics of aggressor armor, infantry, and artillery, including equipment, organization, and combat methods.	
	22. Knows the capabilities of the 4.2 mortar platoon.	
	23. Knows the organization and mission of the armored cavalry platoon.	

Operations	Knowledge Factors	Responsibilities
	24. Knows of supply, medical evacuation, and maintenance procedures used in providing support to armored cavalry troops in offensive and defensive operations.	

Job Duties: Communication Subjects and Skills

1. Uses the phonetic alphabet as necessary.	1. Knows the phonetic alphabet; knows when it is used.	1. Is responsible for using the phonetic alphabet properly as required.
2. Uses standard radiotelephone procedure, including prowords, corrections, relaying, etc.	2. Knows standard radiotelephone procedure, including prowords, corrections, relaying, etc.	2. Is responsible for using proper radiotelephone procedure.
3. Opens, closes, and enters radio nets.	3. Knows radio nets.	3. Is responsible for opening, closing, and entering radio nets correctly.
	4. Knows radio nets up to and including troop.	
5. Operates and maintains the standard radio organic to the support squad in an armored cavalry platoon.	5. Knows the characteristics, operational techniques, and user maintenance of the standard radio organic to the support squad in an armored cavalry platoon.	5. Is responsible for operating and maintaining the standard radio organic to the support squad in an armored cavalry platoon.
6. Installs, operates, and performs user maintenance on field wire equipment employed within the armored cavalry platoon.	6. Knows the installation and operation of field wire equipment employed within the armored cavalry platoon; knows user maintenance performed on the equipment.	6. Is responsible for the installation and operation of field wire equipment employed within the armored cavalry platoon, and for user maintenance performed on the equipment.
	7. Knows the standard series radio sets, including general characteristics and numerical and frequency allocations.	
8. Reads, interprets, and follows SOI extracts.	8. Knows the content, purpose, and use of SOI extracts and the necessary safeguards.	8. Is responsible for following SOI extracts and for preserving security in the support squad.
9. Employs authentication procedures and techniques as required.	9. Knows authentication procedures and techniques.	9. Is responsible for authentication procedures used within the support squad.
10. Utilizes and interprets arm and hand, flag, flashlight, and panel signals.	10. Knows arm and hand, flag, flashlight, and panel signals.	10. Is responsible for proper execution and interpretation of signals by the support squad.

Operations	Knowledge Factors	Responsibilities
Job Duties: General Subjects		
1. Interprets and uses the conventional signs and symbols appearing on military maps.	1. Knows the conventional signs and symbols used on military maps.	1. Is responsible for correctly interpreting signs and symbols used on military maps.
2. Uses the compass to determine location and indicate direction during both day and night movements.	2. Knows the uses of the compass during day and night movements.	2. Is responsible for knowing how to determine location and indicate direction with the compass, during both day and night movements.
3. Uses the proper techniques and methods to orient conventional military maps, and uses the map scale in the measurement of distance.	3. Knows the techniques and methods of orienting conventional military maps; knows how to use the map scale in the measurement of distance.	3. Is responsible for orienting military maps properly, and for using the map scale correctly in the measurement of distance.
4. Uses maps to determine elevation and recognize ground forms from contour lines.	4. Knows how to use a map to determine elevation and recognize ground forms from contour lines.	4. Is responsible for correctly determining elevation and recognizing ground forms from contour lines in using maps.
5. Uses the various types of grid systems, and methods of expressing location by grid coordinates.	5. Knows the various types of grid systems; knows methods of expressing location by grid coordinates.	5. Is responsible for expressing location by use of grid coordinates.
6. Uses the methods and techniques of intersection and resection in finding location with military maps.	6. Knows the methods and techniques of intersection and resection in using military maps.	6. Is responsible for finding his location on military maps by using intersection and resection.
	7. Knows the basic principles of terrain analysis.	
8. Uses the bayonet and techniques of unarmed defense as necessary.	8. Knows how to use the bayonet; knows the techniques of unarmed defense.	8. Is responsible for knowing how to fight with the bayonet, and for using the proper techniques of unarmed defense, as necessary.
9. Uses explosives and the demolition card.	9. Knows the fundamentals of military explosives and the use of the demolition card.	9. Is responsible for correctly using military explosives and the demolition card.
10. Assists in the camouflage of the rifle squad or fire team (support squad) as appropriate and necessary.	10. Knows the basic principles and techniques of camouflage.	10. Is responsible for using the proper camouflage techniques.
11. Uses the basic principles of first aid in giving emergency treatment to personnel who become casualties.	11. Knows emergency aid procedures.	11. Is responsible for knowing how to administer emergency aid, and for insuring that anyone receiving a wound is given immediate and appropriate emergency aid.

Operations	Knowledge Factors	Responsibilities
12. Assists in the removal of casualties from vehicles, and reports the occurrence of a casualty.	12. Knows proper procedures for evacuating casualties from vehicles; knows how to report a casualty.	12. Is responsible for using the proper methods of removing casualties from vehicles, and for insuring that the casualty is reported properly.
13. Uses practical field measures for the prevention of disease and preservation of health.	13. Knows practical measures for the preservation of health and prevention of disease.	13. Is responsible for utilizing the proper procedures to preserve his personal health and hygiene, in garrison and in the field.
	14. Knows the methods and techniques used to develop and maintain efficiency, discipline, morale, and <u>esprit de corps</u> in combat.	
	15. Knows the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.	15. Is responsible for applying the principle of the Code of Conduct, defense against enemy propaganda, and survival, evasion, and escape techniques.
	16. Knows the principles and fundamentals of military justice.	
Job Duties: Gunnery, Weapons, and Materiel		
1. Senses and detects enemy targets.	1. Knows the techniques of sensing and detecting enemy targets.	1. Is responsible for locating and taking enemy targets under fire.
2. Engages stationary and moving targets with the 4.2 mortar, using the proper methods and techniques.	2. Knows the methods and techniques of engaging stationary and moving targets with the 4.2 mortar.	2. Is responsible for using the correct methods and techniques in engaging stationary and moving targets with the 4.2 mortar.
3. Uses the various methods of determining range; uses the mil formula and binoculars.	3. Knows the various methods of determining range; knows the mil formula and the use and inspection of binoculars.	3. Is responsible for using the proper methods of determining range, and for using the mil formula and binoculars.
4. Prepares and fires from a range card.	4. Knows how to prepare and fire from a range card.	4. Is responsible for the preparation of range cards, and for firing correctly from the data on range cards.
5. Uses the aiming circle.	5. Knows the operation and use of the aiming circle.	5. Is responsible for using the aiming circle properly.
6. Uses the proper terminology and fire commands in firing the mortar.	6. Knows the proper terminology and sequence of fire commands for firing the mortar.	6. Is responsible for using the proper terminology, and for responding correctly to fire commands.

Operations	Knowledge Factors	Responsibilities
7. Prepares firing charts, determines firing data, and plots new data for the 4.2 mortar; conducts 4.2 mortar fire.	<p>7. Knows the characteristics, nomenclature, mounting, dismounting, M-34 sight, sight setting, positions, ammunition, firing tables, and fire commands for the 4.2 mortar.</p> <p>8. Knows the organization and duties of the support squad in handling ammunition, preparations for firing, and in mounted and dismounted positions.</p> <p>9. Knows the various types of mortar ammunition, and their characteristics, nomenclature, functioning, marking, care, handling, and storage.</p> <p>10. Knows the necessary crew safety precautions for operating and firing the mortar.</p>	7. Is responsible for using the proper methods and techniques in firing the 4.2 mortar.
11. Controls and distributes the weapons fire of the support squad as necessary.	<p>11. Knows how to control and distribute support squad weapons fire.</p> <p>12. Knows the principles of fire control and the conduct of platoon and squad fire with the 4.2 mortar.</p>	10. Is responsible for observing all safety precautions in operating and firing the mortar.
13. Fires and qualifies with the M-14 rifle.	13. Knows the characteristics, nomenclature, inspection, immediate action, and malfunctions of the M-14 rifle; knows the proper aiming and firing techniques employed in firing the weapon.	11. Is responsible for controlling and distributing squad weapons fire, as necessary.
14. Fires and qualifies with the caliber .45 pistol.	14. Knows the characteristics, nomenclature, inspection, immediate action, and malfunctions of the caliber .45 pistol; knows the aiming and firing techniques employed in firing the weapon.	13. Is responsible for acquiring firing skill on the M-14 rifle, and for maintaining the weapon.
15. Fires and qualifies with the caliber .50 machine gun.	15. Knows the characteristics, nomenclature, disassembly, assembly, immediate action, care and cleaning, and inspection of the caliber .50 machine gun; knows the aiming and firing techniques employed in firing the weapon.	14. Is responsible for acquiring firing skill on the caliber .45 pistol, and for maintaining the weapon.
16. Uses hand grenades as required.	16. Knows the various types of hand grenades and the particular value and use of each as a weapon.	15. Is responsible for acquiring firing skill on the caliber .50 machine gun, and for maintaining the weapon.
		16. Is responsible for using hand grenades properly, and for applying the safety precautions to be taken in using them.

Mortar Carrier Driver

Operations	Knowledge Factors	Responsibilities
18. Inspects the maintenance of controls and equipment on the armored mortar carrier.	17. Knows the armament, controls, and equipment for the armored mortar carrier. 18. Knows the proper procedures for inspecting the maintenance of controls and equipment on the armored mortar carrier.	18. Is responsible for seeing that the maintenance of controls and equipment on the armored mortar carrier is properly carried out.

**SUPPLEMENT: Lists of Desirable Traits and Abilities
for Personnel in the Armored Cavalry Platoon**

**LIST OF DESIRABLE TRAITS AND ABILITIES FOR:
ARMORED CAVALRY PLATOON LEADER
ARMORED CAVALRY PLATOON SERGEANT**

- | | |
|--|---|
| 1. Sticks to the job of completing his primary mission without getting sidetracked. | 14. Thinks offensively rather than defensively in an emergency. |
| 2. Follows orders and gets a job done. | 15. Revises original plans; is mentally flexible, not rigid or bullheaded. |
| 3. Expresses his ideas, thoughts, and orders in a clear, simple, understandable manner. | 16. Persists in seeing a job through. |
| 4. Makes a decision when one is needed. | 17. Remembers details of the placement of friendly troops. |
| 5. Remembers the details of his mission. | 18. Independently plans, organizes, commands, and controls any assigned platoon mission. |
| 6. Remembers details of the composition and location of platoon elements. | 19. Functions well under pressure. |
| 7. Recognizes any unexpected advantages over the enemy, and capitalizes on them. | 20. Profits from his own mistakes. |
| 8. Operates the platoon as a unit; coordinates and controls the actions of the tank section, scout section, rifle squad, and mortar squad as an integrated team. | 21. Remembers details of terrain. |
| 9. Appraises the value of information received, and determines its importance or unimportance in relation to the accomplishment of the mission. | 22. Appraises himself and his strengths and weaknesses, and uses them to his own advantage. |
| 10. Develops simple but effective tactical plans. | 23. Remembers details of enemy composition and disposition. |
| 11. Maintains self-discipline in the face of difficulties. | 24. Exercises the proper amount of supervision and avoids oversupervising. |
| 12. Thinks of the platoon as a whole in an emergency, and not merely the section or squad immediately concerned or affected. | 25. Selects and utilizes the right man in the platoon for the particular job. |
| 13. Conducts a continual rather than a spasmodic estimate of the situation. | 26. Takes over the troop commander's job in an emergency. |
| | 27. Establishes good working relations with the men in his platoon. |

LIST OF DESIRABLE TRAITS AND ABILITIES FOR:

**SCOUT SECTION LEADER
SCOUT SQUAD LEADER
TANK SECTION LEADER**

**TANK COMMANDER
RIFLE SQUAD LEADER**

**FIRE TEAM LEADER
SUPPORT SQUAD LEADER**

1. Keeps "on the go"; that is, maintains his drive and stamina as leader of a section/squad of an armored cavalry platoon mission.
2. Appraises the value of information received and determines its importance or unimportance in relation to his mission.
3. Maintains self-discipline in the face of difficulty.
4. Communicates with the men in his section; that is, gets the idea across and keeps them informed.
5. Operates his section as a unit, to coordinate and control the actions of the vehicles in his section.
6. Makes a decision, and supports it both operationally and behaviorally.
7. Works well with others as a member of a team.
8. Plans ahead; that is, develops in advance alternate methods or plans for various phases of a mission.
9. Follows orders and gets the job done.
10. Makes a decision when one is called for.
11. Develops simple but effective plans.
12. Persists in seeing a job through.
13. Recognizes any unexpected advantages over the enemy, and capitalizes on them.
14. Appraises himself and his strengths and weaknesses, and uses them to his own advantage.
15. Functions well under pressure.
16. Sticks to the job of completing his primary mission without getting sidetracked.
17. Independently plans, organizes, commands, and controls any assigned mission.
18. Expresses himself in a simple, clear, understandable manner.
19. Selects and properly utilizes the right man in his section for the particular job.
20. Profits from his own mistakes.
21. Remembers details of terrain, personnel, and composition and placement of friendly forces.
22. Takes over the platoon sergeant's job in an emergency.
23. Thinks offensively rather than defensively in an emergency.
24. Establishes good working relations with the men in his section.
25. Adjusts, revises, or reverses plans on the basis of new information.
26. Controls and employs other units of the platoon when an emergency arises.
27. Separates the important from the unimportant tasks to be accomplished.
28. Conducts a continual rather than a spasmodic estimate of the situation.
29. Exercises the proper amount of supervision and avoids oversupervision.
30. Revises his original plans as necessary.
31. Has the ability to coordinate and control the action of both tanks in the tank section. (Applies only to tank section leader and TC.)
32. Has the ability to handle other tanks than his own when an emergency arises. (Applies to tank section leader and TC.)
33. Has the ability to take over the platoon leader's job in an emergency.
34. Has the ability to take over the next highest job within the platoon.
35. Has the ability to handle other vehicles than his own when an emergency arises.

LIST OF DESIRABLE TRAITS AND ABILITIES FOR:

SCOUT OBSERVER
SCOUT DRIVER
PLATOON LEADER'S DRIVER
TANK GUNNER
TANK LOADER

TANK DRIVER
GRENADIER
AUTOMATIC RIFLEMAN
RIFLEMAN
RIFLE SQUAD DRIVER

MORTAR GUNNER
ASSISTANT GUNNER
AMMUNITION BEARER
MORTAR CARRIER DRIVER

1. Maintains self-discipline in the face of difficulty.
2. Works well with others as a member of a team.
3. Follows orders and gets the job done.
4. Functions well under pressure.
5. Establishes good working relations with the men in his section and squad.
6. Profits from his own mistakes.
7. Appraises himself and his strengths and weaknesses, and uses them to his own advantage.
8. Persists in seeing a job through.
9. Sticks to the job of completing his primary mission without getting sidetracked.
10. Expresses himself in a clear, simple, understandable manner.
11. Makes a decision when one is called for.
12. Recognizes any unexpected advantages over the enemy, and capitalizes on them.
13. Thinks offensively rather than defensively in an emergency.
14. Remembers details of terrain, personnel, and composition and placement of friendly forces.
15. Develops simple but effective plans.
16. Has the ability to handle tanks other than his own when an emergency arises. (Applies to tank crewmen only.)
17. Has the ability to separate the important from the unimportant tasks to be accomplished.
18. Has the ability to make a decision, and to support it both operationally and behaviorally.
19. Has the ability to take over the next highest job within the platoon.
20. Has the ability to revise original plans; is not bullheaded or rigid; is mentally flexible.
21. Has the ability to adjust, revise, or reverse plans on the basis of new information.
22. Has the ability to handle other vehicles than his own when an emergency arises.

Appendix B

INSTRUCTIONS FOR RATING THE ITEMS IN THE LIST OF REQUIREMENTS

Introduction:

The Department of the Army has assigned the U.S. Army Armor Human Research Unit the general mission of undertaking a study in the area of armored cavalry platoon training. One of the specific missions requested and sponsored by the Armor Staff Section, United States Continental Army Command, and the U.S. Army Armor School is that of determining the training requirements for a combat-ready armored cavalry platoon leader.

It is believed that the firm establishment of such training requirements will permit the construction of a mobilization training program for combat-ready leaders and, in turn, will lead to a maximum of combat proficiency in the minimum amount of training time.

You have been selected, on the basis of your training, experience, and command position, to assist in the determination of these training requirements. It should be emphasized that your comments and opinions will be treated in a confidential manner and are for study purposes only, and that your name will not be associated with this document.

Any further questions pertinent to the nature and purpose of the study will gladly be answered by the study staff member who gave you this document.

Directions:

The following instructions for the completion of this form will be read and explained by a study staff member to the Raters. Raters will be advised to read the directions as they are clarified by the study staff member.

1. The Form. Gentlemen, each of you has been given a Job Requirements Form. Each Form contains numerous and, we hope, all knowledge, duty, and task responsibilities required of a trooper in your specific job assignment. The platoon leader and platoon sergeant have the same form, because their jobs are similar, and because the platoon sergeant will normally command the platoon in the absence of the platoon leader. The rifle squad leader, mortar squad leader, scout section leader, and tank section leader have forms designed for their own section or squad. The platoon sergeant will complete the Tank Section Form after he finishes rating the job requirements for a platoon sergeant.

2. Purpose of the Form. As stated, your form contains practically every conceivable task, duty, and knowledge item that we have been told pertains to your specific duty assignment. We do not know whether or not all the items listed actually do pertain to your duty assignment. So the first purpose of the form is to find out, from you, whether or not the job requirement is actually a job requirement. You will give us this information by checking the item Yes or No. The second purpose of the form is to determine the relative importance of the Yes items. Quite obviously, some of your duties are more important than others. Some of your skills are not of equal importance. By the same token or line of reasoning, you have an abundance of knowledge gained through school, training, and on-the-job activities, and some of this knowledge has varying degrees of importance. Although we prepared these forms, gentlemen, we have no way of determining the relative importance of the items listed. We needed the advice and knowledge of people who are experts in their specific duty assignments. You were selected to give us this essential information. When you have completed this form, you will have rated every item in terms of its combat importance for your particular section, or squad, or platoon.

3. Rating Scale. You will read each statement on your form, and then rate that item A, B, C, D, or E according to the following rating criteria:

- A An essential requirement for effective combat performance
- B Essential information though not necessarily relevant to combat
- C Useful information, but not essential
- D Information that is of questionable value
- E Irrelevant or unnecessary information

You will find the above rating scale at the top of each page in your form. You will judge each statement and rate each statement on this basis:

1. War was declared yesterday.
2. All-out mobilization has been ordered.
3. You have received a group of men who have had basic training but no armor or armored cavalry training or experience.
4. You have the mission of training these people to be a combat-ready tank section, squad section, rifle squad, mortar squad, platoon sergeant, or platoon leader. Your goal is a maximum of combat proficiency in the minimum of time.

5. As used in this document, the word knowledge means that the individual need only know WHAT to do, or WHAT is required—not HOW to do it. The word ability means that the individual should know HOW to personally and successfully perform or complete the duty, action, or activity.

4. Method of Completing the Form. EXAMPLE: Each of you has the form that pertains to your own section or squad. This example is taken from the Tank Section Job Requirements Form, but the procedure is the same for everyone.

TANK SECTION

<u>Item</u>	<u>SEC LDR</u>		<u>TC</u>		<u>GUN</u>		<u>LOAD</u>		<u>DRIVE</u>	
	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>No</u>
137. <u>Knowledge</u> of the purpose or use of written field message	A		A		B		C		C	
138. <u>Ability</u> to properly prepare a written field message	A		A		✓		✓		✓	

Let's look at Item 137. The item says, "Knowledge of the purpose or use of written field message." The first thing the Rater (in this case, the tank section leader) must ask himself is this: "Is this item a definite requirement for me?" If he answers himself Yes, then he must rate the item according to the rating scale (A, B, C, D, or E) for effective combat performance. So he wrote the letter A in the Yes column. He then considered the TC (tank commander) and the same item (137), and felt it was a Yes. Then he rated it an A. He then considered the GUN (gunner). As you see, he decided it was a Yes item, but he rated it a B (An essential requirement, although not necessarily relevant to combat). He then considered the LOAD (loader) and DRIVE (driver). He felt it was a Yes item, but rated it a C (A useful requirement, but not essential).

Now look at Item 138. The statement says: "Ability to properly prepare a written field message." Again, he asked himself, "Is this item a definite requirement for me, or can I function without this ability?" He answered himself Yes, and rated the item an A; he felt the TC needed the same ability. However, when he considered the gunner, loader, and driver, he felt that they did not need the ability and, as you see, he checked No.

5. Summary Instructions.

a. Remember to assume that we are at war. You want to train your people in the essential items so that they will be combat ready in a minimum of time. Under the A rating (An essential requirement for effective combat performance), be certain that the item is truly that, and not a nice-to-know item. You have a full scale for your rating purpose, so please consider each item in the light of maximum performance in minimum time to make your people combat ready.

b. An additional sheet of paper is attached to all forms. If, when you complete your form, you feel that there are any significant omissions or any additional training requirements which should be contained in a mobilization training program, please list them by number on the attached sheet, and rate them as before.

6. Individual Instructions.

a. Will the platoon leader and platoon sergeant please turn to the first page of your form? You will see, at the right edge of the form,

spaces to rate both the platoon leader and platoon sergeant. We want the platoon leader to rate both himself and the platoon sergeant. The platoon sergeant will rate only himself. When the platoon sergeant has completed this form, you will be given another form in which you will rate the tank section. Are there any questions? OK, you may begin.

b. Will the scout section leader open his form to the first page? As you see, you will rate the section leader, scout squad leader, scout driver, and scout observer. Are there any questions? OK, you may begin.

c. Will the rifle squad leader open his form to the first page? As you see, you will rate the rifle squad leader, rifle squad team leader, rifle squad rifleman, and rifle squad driver. Are there any questions? OK, you may begin.

d. Will the mortar squad leader open his form to the first page? As you see, you will rate the mortar squad leader, mortar squad gunner, mortar squad assistant gunner, and mortar squad driver. Are there any questions? OK, you may begin.

I will be happy to answer any questions you may have, as you work on your form.

[illegible][illegible][illegible]

<p>AD _____ Div. 23,18</p> <p>Human Resources Research Office, George Washington U., Alexandria, Va. 22314</p> <p>DETERMINATION OF COMBAT JOB REQUIREMENTS FOR ARMORED CAVALRY PLATOON PERSONNEL, by William L. Warnick and Robert A. Baker, Dec 64, 132 pp. incl. tables, 29 refs. (Technical Report 92)</p> <p>(Contract DA 44-188-ARO-2) (DA Proj 2J024701A712) Unclassified Report</p> <p>The objectives of this research were to formulate the job requirements of personnel assigned to armored cavalry platoons and find out the importance in combat of each job in order to know which skills should be emphasized during training. Field personnel rated prepared lists of platoon personnel job requirements for their importance in combat. Final lists included only the duties and skills the field personnel rated essential for combat or for basic performance of the job. The lists are felt to be useful for giving students a preview of their jobs, evaluating platoon efficiency, diagnosing and correcting deficiencies, and developing and standardizing proficiency tests for armor schools, training establishments, and armored cavalry units.</p>	<p>UNCLASSIFIED</p> <p>I. Combat job requirements—armored cavalry platoon</p> <p>I. Title: RECON I</p> <p>II. Warnick, William L., and Baker, Robert A.</p> <p>III. U.S. Army Armor Human Research Unit, Fort Knox, Ky.</p> <p>IV. Contract DA 44-188-ARO-2</p>
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